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USAFETAC/DS-50/058

# DATA PROCESSING DIVISION USAFETAC Air Weather Service (MAC)

REVISED UNIFORM SLIMMARY OF SURFACE WEATHER OBSERVATIONS

SIEGENBURG GERMANY GUNNERY

WBAN #\_4199

RANGE N 48 45 E 011 48 ELEV: 1325 FT

PARTS A-F

FOR FROM HOURLY OBS APR 68-AUG 70 POR FROM DAILY OBS APR 68-MAR 70

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| TITUE (and Subtette)                           |  | 5 "YPE OF REPOR" & PER CE COVERES                                    |
|  | ry of Surface Weather                              | Final rept.  |
| Observations (RUSSWO)<br>Siegenberg Germany Gu | -<br>nnerv Range                                   | 6 PERFORMING ONS REPORT NUMBER                                       |
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| USAFETAC/OL-A                                  | NAME AND ADDRESS                                   | C PROGRAM ELEMENT PROJECT TASK<br>AREA & BORK UNIT NUMBERS           |
| Air Force Environment                          | al Technical Appl. Cente                           | er ,   |
| Scott AFB IL 62225                             |  |  |
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| Air Weather Service (                          | MAC)   | 13 NUMBER OF PAGES   |
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| 8 SUPPLEMENTARY NOTES                          |  |  |
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| •  |  |  |
|  |  |  |
| *RUSSWO  | Daily temperatures                                 | Atmospheric pressure   |
| Snowfall                                       | Extreme snow depth                                 | Extrema surface winds  |
| Climatology                                    | Sea-level pressure                                 | Psychrometeric summary   |
| Surface Winds<br>Relative Humidity *           | Extreme temperature<br>Climatological data         | Ceiling versus visibility<br>(over)                                  |
|  |  |  |
| This report is a six-<br>Siegenberg Germany Gu | part statisitical summar<br>nnery Range            | ry of surface weather observations                                   |
| It contains the follo                          | wing parts: (A) Weather                            | Conditions; Atmospheric Phenomena;                                   |
| (B) Precipitation, Sn                          | owfall and Snow Depth (                            | daily amounts and extreme values);                                   |
| (U) Surface winds; (E                          | ) Ceiling versus Visibi                            | lity; Sky Cover; (E) Psybrometric                                    |
| temperatures asychro                           | mum and minimum tempera<br>metric summirv of wet-h | tures, extreme maximum and minimum ulb temperature depression versus |
| dry-bulb temperature,                          | means and standard dev                             | iations of dry-bulb, wet-bulb (over)                                 |
| -  |  | •                              |

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19. Percentage frenquency of distribution tables
Dry-bulb temperature versus wet-bulb temperature Cumulative percentage frequency of distribution tables

\*Germany \*\*Siegenberg Germany Gunnery Range

20. and dew point temperatures and relative humidity); and (F) Pressure Summary (means, standard, deviations, and observation counts of station pressure and sea-level pressure). Data in this report are presented in tabular form, in most cases in percentage frequency of occurance or cumulative percentage frequency of occuring tables.

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SECURITY CLASSIFICATION OF THIS PAGE(When Data Entered)

DATA PROCESSING DEVISION URAFFERIC CLAI AIR WEATHER SERVICE (MAC)

# REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS

#### HOURLY-OBSERVATIONS

Howely observations are defined as those record or record-special observations recorded at coheculed bourly intervals.

#### DAILY OSSERVATIONS

Daily observations are selected from all data recorded on reporting forms and combined into Summary of the Day observations. (Selected from record-special, local, summary of the day, remarks, etc.)

#### DESCRIPTION OF SUMMARIES

Proceeding each scatter is a brief description of the data comprising each purt of the Revised Uniform Summary of Surface Weather Observations and the manum of presentation. Tabulations are prepared from hourly and daily observations recorded by stations operated by the U. S. Extrices and some foreign stations using similar reporting practices.

Unless otherwise noted the following summeries are included for this station:

PART A WEATHER CONDITIONS

PART E DAILY MAX, MIN, & MEAN TEMP DATA NOT AVAILABLE

ATMOSPHERIC PHENOMENA DATA NOT AVAILABLE

EXTREME MAX & MIN TEMP DATA NOT AVAILABLE

PART B PRECIPITATION

RECIPITATION

PSYCHROMETRIC-DRY VS WET BULB

SNOWFALL

 MEAN & STD DEV -(DRY BULB, WET BULB, & DEW POINT)

SNOW DEPTH

(DRY SULS, WEI SULS, & DEW PO

PARTO SURFACE WINDS

RELATIVE HUM DITY

PART D CEILING VERSUS VISIBILITY

PART F STATION PRESSURE

SKYCOVER

SEA LEVEL PRESSURE

#### STANDARD 3-HOUR GROUPS

All summaries requiring diurnal variations are summarized in eight 3-hour periods corresponding to the following sets of hourly observations: 6000-6200, 6360-6300, 6500-6300, 6900-1100, 1200-1400, 1500-1700, 1600-2000, 2100-2000 hours lead standard time.

#### MISSING HOUR GROUPS

Summary sheets are emitted when stations emintaining limited observing substales did not report certain three-hour periods for any particular month during the available period of record. Such missing sheets are listed below, and are applicable to all summaries prepared from hourly

| <sup>ද්ය</sup> ෙරිට්ට්ට්ට , 03−05 | 00-02.                |
|-----------------------------------|-----------------------|
| MANUERY 18-20, 21-23              | 00-02,<br>03-05,21-23 |
| 00-02,03-05                       | 00-05                 |
| FEET USY 18-20, 21-23             | xx <u>03-05,21-23</u> |
| 100-02.03-05                      | 00-02,                |
| :ARCE18-20 21-23                  | JUE 18-20.21-23       |

| 00-02,03-05                       |
|-----------------------------------|
| JULY 18-20 21-23                  |
| 00-02,03-05<br>August 16-20,21-23 |
| 00-02,03-05<br>18-20,21-23        |

| (         | 00-02,03-05                |
|-----------|----------------------------|
| ೦೮೦೨೬೯    | 18-20,21-23                |
|           | 00-02.03-05                |
| noveveer_ | 18-20, 21-23               |
| かついていていませ | 00-02,03-05<br>18-20:21-23 |
| **·**     | 10 40,21,23                |

| STATION N      | O ON SUMMARY.       | STATION NAME                 |               | LATITU   | DE:                       | LONGITUDE:         | STATION ELEV. (FT | CALL SIGN.     | WHO NU              | usta:             |
|----------------|---------------------|------------------------------|---------------|--|---------------------------|--------------------|-------------------|----------------|---------------------|-------------------|
| 3419           | 9 (A)               | SIEGENBURG GERMANY GUMNERY   | RANGE         | 11 4   | £ 45                      | E 011 48           | 1325              | 1              |                     |                   |
|                |                     | STATION LOCATIO              | )N A          | ND IN  | ISTRU                     | MENT               | ATION P           | STOR           | Y.                  |                   |
| NUMBER         |                     |                              | TYPE          | AT THIS L  |                           | γ                  |                   | ELEVATION      |                     | OBS               |
| GF<br>LOCATION |                     | CEOGRAPHICAL LOCATION & MAME | OF<br>STATION | FROM   | TO                        | LATITUDE           | LONCITUDE         | 1              | E) PERLACOMETER     | OBS<br>PER<br>DAT |
| 1              | Siegenbu            | arg Gunnery Range Germany    | AF            | Apr 68   | Dec 70                    | N 48 45            | E 011 48          | 1325           | R/A                 | 9 to 1            |
|                |                     |                              |               |  | •                         | -                  |                   |                |                     | ,                 |
|                |                     |                              |               |  |                           |                    |                   |                |                     |                   |
|                |                     |                              |               | ,  |                           |                    |                   |                |                     |                   |
| NUMBER<br>GF   | DATE<br>OF          | SURFACE WIND                 | EOGIPMENT     |  |                           |                    | REMARS, ADDITH    | WAL CAMBMENT   | AR 3545AR 568       | CHANCE            |
| LCCATICE       | CHARGE              | LOCATION                     |               | TYPE OF TRANSMITTE   | TYPE OF RECORDER          | HT ABOYE<br>CROUND | REMARS, APPILE    | MAL EVUIPMENT. | OR JENSON FOR       | CHARGE            |
| 1              | ipr 68 to<br>Dec 70 | Located 30 yds W. of stat:   | Lon.          | :n∖Œió−  | 11 None                   | 13 ft              |                   |                | i                   | •                 |
|                |                     |                              | ;<br>;        | 10 may 1 - 4 - 44 may 10   | 194 (\$ 0 0 Per Meter 195 |                    |                   | •              | :                   |                   |
|                |                     |                              | :             | :  |                           |                    |                   |                | :                   | :                 |
|                |                     | ,                            | :             | 100<br>100<br>100<br>100<br>100<br>100<br>100<br>100<br>100<br>100 |                           |                    |                   |                | Aller of the second | :                 |
| USAF E         | TAC APR             | 0-19 (OL-I)                  |               | CONTINUES ON R   | EVERSE SIDE               |                    |                   |                |                     |                   |

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#### PART A

#### WEATHER CONDITIONS

This are only is a personnage frequency occurrence of various atmospheric phenomena and obstructions to vision, derived into nearly observations, and is presented in two tables as follows:

- 1. Ly month and annual, all hours and years combined.
- 2. In unto, all years outbined, by standard 3-hour groups.

Coournences of the various prenumena included in each category on the forms are listed below:

<u>Frungerstons</u> - All reported occurrences of thunderstorm, tornado, and waterspout.

Fain any or prizely - All liquid precipitation, falling to the ground, not freezing.

Freezing rain and/or freezing drizzle (clase) - Precipitation falling in liquid form, but freezing on contact with an unmeated surface.

Snow analyst sleet - Included are snow, sleet, snow pellets (Loft hail), snow grains, and ice crystals.

<u>Hail</u> . Occurrences of hail and small hail are included.

<u>Fercentage of observations with precipitation</u> - Included in this category are the observations when one or more of the above phenomena occurred. Since more than one type of precipitation may be reported in the same observation, the sums of the individual categories may exceed the total columns.

Fog - Included are fog, ice fog, and ground fog.

Smoke and/or have - Occurrences of smoke, have, or combinations of smoke and have are included.

Blowing snow - Occurrences of blowing snow (also drifting snow when reported from non-WEAN sources.)

Dust and/or sand - Included are blowing dust, blowing sand, and dust.

Plusing the - 7 in list of regarded, is not unough in 9 objects esteroly on this ferm but is included in the objection of Posterolism with Obstructions to Vision, below.

Percentice of observations with obstructions to vision - Included in this category are the observations when one or the of the above obstructions to vision occurred. Since more than one type of obstruction have be reported in the other observation, the other obstruction to vision declarate. Also, although precipitation may reduce visibility, it is not considered an obstruction to vision for purposes of the summary; therefore, the percentage total of obstructions to vision need not reflect the total observations with reduced visibility.

#### **WEATHER CONDITIONS**

1

SIEGENBURG GERMANY GUNNERY RANGE 68-70

### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOUGHY DESERVATIONS

| нтиом  | HOURS<br>(LS T.) | THUNDER-<br>STO2AS | RAIN<br>AND/OR<br>DRIZZLE | FREEZING<br>RAIN & /OR<br>DRIZZLE | SNOW<br>AND/OR<br>SLEET | HAIL | % OF<br>OBS WITH<br>PRECIP. | FOG  | SMOKE<br>AND OR<br>HAZE | BLOWING<br>SNOW | DUST<br>SO'CAL<br>CAAS | % OF OSS<br>WITH OSST<br>TO VISION | TOTAL<br>NO OF<br>OBS |
|--------|------------------|--------------------|---------------------------|-----------------------------------|-------------------------|------|-----------------------------|------|-------------------------|-----------------|------------------------|------------------------------------|-----------------------|
| JAN    | ALL              |                    | 12.6                      | , 5                               | 6.7                     |      | 18,9                        | 69.3 | 23,7                    |                 |                        | 91,4                               | 377                   |
| FEB    |                  |                    | 14.3                      |                                   | 19,7                    |      | 30.4                        | 31.1 | 25.9                    |                 |                        | 56.4                               | 386                   |
| MAR    |                  |                    | 10.2                      |                                   | 15,3                    |      | 23,8                        | 34.8 | 31.4                    |                 |                        | 66,5                               | 428                   |
| APR    |                  |                    | 18,3                      |                                   | 7.0                     |      | 24.8                        | 12.6 | 13,1                    |                 | <u> </u>               | 25,3                               | 505                   |
| HAY    |                  | ,4                 | 10.6                      |                                   |                         |      | 10,6                        | 7,3  | 10,7                    |                 |                        | 17,3                               | 505                   |
| אַטע   |                  | .4                 | 11.0                      |                                   | Monitoria               |      | 11.0                        | 9.7  | 9,9                     |                 | !<br>                  | 19,6                               | 610                   |
| JUL    |                  | . 5                | 1104                      |                                   | - Appen                 |      | 11,4                        | 13.7 | 18,6                    |                 |                        | 31,9                               | 708                   |
| AUG    |                  | 1:1                | 13,4                      |                                   | 40=00                   |      | 13,4                        | 25.3 | 25.0                    |                 |                        | 49,5                               | 649                   |
| SZP    |                  |                    | 4:0                       |                                   | вейници                 |      | 4:0                         | 28,4 | 26,8                    |                 |                        | 55.0                               | 573                   |
| DCT    |                  |                    | 13.1                      |                                   | •1                      |      | 13,1                        | 39,2 | 22.8                    |                 |                        | 60.9                               | 674                   |
| NDV    |                  |                    | 16,6                      | , 2                               | 4,7                     |      | 2161                        | 25,3 | 15,7                    | _               |                        | 40.5                               | 404                   |
| DEC    | <u> </u>         |                    | 4,2                       | 3,2                               | 7,6                     |      | 15.0                        | 42.0 | 22,9                    |                 |                        | 64.5                               | 417                   |
| TOTALS |                  | .2                 | 11,6                      | ,3                                | 5.1                     |      | 16,5                        | 28.4 | 20.5                    |                 |                        | 48,2                               | 6336                  |

#### **WEATHER CONDITIONS**

34199 SIEGENBURG GERMANY GUNNERY RANGE 69-70 JAN STATION STATI

### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

| мочтч  | HOURS<br>(L.S.T | THERIDER.<br>STORUS | RAIN<br>AND/OR<br>DRIZZIE | FREEZING<br>RAIN 3 OR<br>DRIZZLE   | SNOW<br>AND/OR<br>SLEET | HAR         | % OF<br>OSS WITH<br>PRECE | 50G             | SMOKE<br>AND FOR<br>HAZE | SCWING<br>SNOW | 20151<br>ANO (04<br>SANO) | N OF OSS<br>WITH OSST<br>TO VISION               | TOTAL<br>NO CF<br>OBS |
|--------|-----------------|---------------------|---------------------------|--|-------------------------|-------------|---------------------------|-----------------|--------------------------|----------------|---------------------------|--|-----------------------|
| JAN    | 00-02           |                     |                           | :<br><del></del>   |                         |             | ·<br>                     |                 |                          |                |                           | ··   |                       |
|        | C3=05           |                     |                           | <del>!</del>   | <del>-</del>            |             |                           |                 |                          | ·              |                           |  |                       |
|        | 06-08           |                     | 14.0                      | 1.8  | 7.5                     |             | 22.8                      | 75.4            | 14.0                     |                |                           | 57,7   | 114                   |
|        | 09-11           |                     | 13,4                      |  | 6,2                     |             | 17,0                      | 76.8            | 14,3                     |                |                           | 91,1   | 112                   |
|        | 12-14           |                     | 10,9                      |  | 5,5                     |             | 16,4                      | 73,6            | 20.0                     |                |                           | 91,8   | 110                   |
|        | 15-17           |                     | 12.2                      |  | 7,3                     |             | 15.5                      | 51.2            | 45,3                     |                |                           | 95,1   | 41                    |
|        | 18-20           |                     |                           |  | 1                       |             | <u>.</u>                  |                 |                          |                |                           | <del>: - :</del>                                 |                       |
|        | 21-23           |                     |                           | Hite of the state  | E westername H of       |             |                           |                 |                          |                |                           | · · · · · ·                                      |                       |
|        |                 |                     |                           | Methodolic de de Company   | 1                       | <del></del> | Translated by Britansia   | HERE CONTRACTOR |                          |                |                           | <del>                                     </del> |                       |
|        |                 |                     |                           | ELIANO DALLA MONEGORIA DE LA CALLA DEL CALLA DE LA CALLA DEL CALLA DE LA CALLA |                         |             |                           | Fullminnsmin    |                          |                |                           | II           |                       |
| TOTALS |                 |                     | 12,6                      | .5   | 6,7                     |             | 15,9                      | 47,3            | .23,7                    |                |                           | 91,4   | 377                   |

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#### **WEATHER CONDITIONS**

34199 SIEGENBURG GERMANY GUNNERY RANGE 69-70 FEB STATION STATION NAME TEAS MORTH

### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

| TOTALS | j                | XIX BUT STATE OF STAT | 14.3             | PAGE STREET                           | 19.7                                    |     | 30.4                      | 31.1         | 25.9                    |               |                        | 36.4   | 38                  |
|--------|------------------|--|------------------|---------------------------------------|---|-----|---------------------------|--------------|-------------------------|---------------|------------------------|--|---------------------|
|        |                  | HARAGISKINI .  |                  | deliconalism o penna                  | *************************************** |     | uniformanian to ann       |              |                         |               |                        | il difference of                               |                     |
|        | i                | Bertegens or it (\$448) as   |                  | Hitelia an a                          | 1                                       |     | A Commence                | P INC.       |                         |               |                        | -  |                     |
| - :    | 21-23            | Mr vite me to all so   |                  | Reville Hand                          | 5<br>4<br>5                             |     |                           | <del>-</del> |                         |               |                        | ·  |                     |
|        | 18-22            |  |                  |                                       | <del></del>                             |     | <del>: - :</del>          |              |                         |               |                        | <del></del> .                                  |                     |
|        | 15-17            |  | 9,4              | Therefore                             | 13.2                                    |     | 20.8                      | 22.6         | 39,6                    |               |                        | 62.3   |                     |
|        | 12-14            | <del></del>  | 11.7             | , , , , , , , , , , , , , , , , , , , | 21.6                                    |     | 30,5                      | 29.7         | 33,3                    | 1             |                        | 63.1   | 1                   |
|        | C9-11            |  | 18,9             | )<br>                                 | 20.7                                    |     | 35,1                      | 29,7         | 19,8                    |               |                        | 46.8   | 13                  |
|        | 06-08            | <del></del> ;  | 17,1             | - Itouanii ee                         | 23,4                                    |     | 35,1,                     | 42,3         | 10.5                    |               |                        | 53.2   | 13                  |
|        | 03-05            |  |                  | <del>!</del> -                        |   |     |                           |              |                         |               |                        | <u>.                                      </u> |                     |
| FEB    | 00-02            |  |                  | ·<br><del></del>                      |   |     | · <del>-</del>            |              |                         |               | · —                    |  |                     |
| HONTH  | HOURS<br>G.S.T.; | 1HUNDER<br>2000S   | AND OR<br>DESTAS | FREEZING<br>TAAN & CR<br>DRETZLE      | SHOW<br>AND DR<br>SLEET                 | HAS | S CF<br>OSS WITH<br>PRECE | FOG          | SMOUE<br>AND ON<br>HAZE | KOWNG<br>SNOW | DUST<br>AND OR<br>SANO | N C# ONS<br>WEH ONS:<br>TO YOU'S               | 1014<br>NO U<br>285 |

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#### **WEATHER CONDITIONS**

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SIEGENBURG GERMANY GUNNERY RANGE 69-70

MAR MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

\* OF OBS WITH OBST TO VISION OBS WITH FREEZING SNOW RAIN SMOKE DUST TOTAL HOURS (LST) THUNDER-STORMS BLOWING SNOW AND/OR DRIZZLE RAIN & /OR AND/OR SLEET AND/OR HAZE AND/OR SAND NO OF HTMOM 00-02 MAR 03m05 9.2 23,3 53,3 23,3 76.7 120 06-08 14.2 09-11 70.6 6,7 18,5 23.5 43.7 29,4 119 11,2 116 12-14 21.6 31.0 37.1 63,5 73 15-17 23.7 18-20 21-23 IOTALS 66.5 428

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#### **WEATHER CONDITIONS**

34199 STEGENBURG GERMANY GUNNERY RANGE 68-70
STATION NAME YEARS MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

| ніиом       | HOURS<br>(LST.) | THUNDER-<br>STORMS | RAIN<br>AND/OR<br>DRIZZLE | FREEZING<br>RAIN & /OR<br>DRIZZLE | SNOW<br>AND/OR<br>SLEET | HAIL        | % OF<br>OBS WITH<br>PRECIP | FOG  | SMOKE<br>AND/OR<br>HAZE | BIOWING<br>SNOW | AND/OK | * OF CBS<br>WITH OBST<br>TO VISION | TOTAL<br>NO OF<br>OBS |
|-------------|-----------------|--------------------|---------------------------|-----------------------------------|-------------------------|-------------|----------------------------|------|-------------------------|-----------------|--------|------------------------------------|-----------------------|
| APR         | 00=02           |                    |                           |                                   |                         |             | 1                          |      |                         |                 |        |                                    |                       |
|             | 03=05           |                    |                           |                                   |                         |             | ļi                         |      |                         |                 |        | !                                  |                       |
|             | 06=08           |                    | 28,9                      |                                   | 8,1                     |             | 36,3                       | 29,6 | 5,9                     |                 |        | 35,6                               | 135                   |
|             | 09-11           |                    | 23,9                      |                                   | 9,4                     |             | 31,2                       | 19.6 | 11,6                    |                 |        | 31,2                               | 138                   |
|             | 12-14           |                    | 23,2                      |                                   | 6,5                     |             | 29,7                       | 11.6 | 12,3                    |                 |        | 23,9                               | 135                   |
|             | 15-17           |                    | 15,7                      |                                   | 11,2                    |             | 27.0                       | 2,2  | 15,7                    |                 |        | 15,7                               | 89                    |
|             | 16-20           |                    |                           |                                   |                         |             | <u> </u>                   |      | 20,0                    |                 |        | 20.0                               | 5                     |
|             | 21423           |                    |                           |                                   |                         |             |                            |      |                         |                 |        |                                    |                       |
| <del></del> |                 |                    |                           |                                   |                         | <del></del> |                            |      |                         |                 |        |                                    | <u> </u>              |
|             |                 |                    |                           |                                   |                         |             |                            |      |                         |                 |        |                                    |                       |
| TOTALS      |                 |                    | 18,3                      |                                   | 7.0                     |             | 24.8                       | 12.6 | 13,1                    |                 |        | 25.3                               | 505                   |

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#### **WEATHER CONDITIONS**

34199 STATION

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SIEGENBURG GERMANY GUNNERY RANGE 58-70

MAY HINON

PERCENTAGE PREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

| монтн       | HOURS<br>(L S.T.) | THUNDER-<br>STORMS | RAIN<br>AND/OR<br>DRIZZLE | FREEZING<br>RAIN & /OR<br>DRIZZLE | SNOW<br>AND/OR<br>SLEET | HAIL | % OF<br>OBS WITH<br>PRECIP | FOG  | SMOKE<br>AND/OR<br>HAZE | BLOWING<br>SNOW | DUST<br>AND/OR<br>SAND | % OF OBS<br>WITH OBST<br>TO VISION | TOTAL<br>NO OF<br>OBS |
|-------------|-------------------|--------------------|---------------------------|-----------------------------------|-------------------------|------|----------------------------|------|-------------------------|-----------------|------------------------|------------------------------------|-----------------------|
| ЧАЧ         | 00-02             |                    |                           |                                   |                         |      |                            |      |                         |                 |                        |                                    |                       |
|             | 03=05             |                    |                           |                                   |                         |      |                            |      |                         |                 |                        |                                    |                       |
| <del></del> | 06≟08             |                    | 18.8                      |                                   |                         |      | 18,8                       | 30.1 | 15,8                    |                 |                        | 42,9                               | 133                   |
|             | 09-11             |                    | 19,2                      |                                   |                         |      | 19,2                       | 3,1  | 23,1                    |                 |                        | 26,2                               | 130                   |
|             | 12-14             |                    | 9,8                       |                                   |                         |      | 9,8                        | 2,3  | 11,4                    |                 |                        | 13,6                               | 132                   |
|             | 15-17             | 2,0                | 5,0                       |                                   |                         |      | 5.0                        | 1.0  | 3.0                     |                 |                        | .4.0                               | 101                   |
|             | 18-20             |                    |                           |                                   |                         |      |                            |      |                         |                 |                        |                                    | 9                     |
|             | 21-23             |                    |                           |                                   |                         |      |                            |      |                         |                 |                        |                                    |                       |
|             |                   |                    |                           |                                   |                         |      |                            |      |                         |                 |                        |                                    |                       |
|             |                   | 1                  |                           |                                   |                         |      |                            |      |                         |                 |                        |                                    |                       |

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7.3 10.7

USAFETAC ARY 64 0-10-5 (OL-1), PREVIOUS EDITIONS OF THIS FORM ARE OSSOLETE

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#### **WEATHER CONDITIONS**

34199 SIEGENBURG GERMANY GUNNERY RANGE 68-70 JUN STATION NAME YEARS WONTH

### PERCENTAGE FREQUENCY OF DCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

| монтн  | HOURS<br>(LS T.) | THUNDER- :<br>STORMS | RAIN<br>AND/OR<br>DRIZZLE | FREEZING<br>RAIN & /OR<br>DRIZZLE | SNOW<br>AND/OR<br>SLEET | HAIL | 3 OF<br>OBS WITH PRECIP | FOG  | SMOKE<br>AND/OR<br>HAZE | BLOWING<br>SHOW | DUST<br>AND OR<br>SAND | S OF OBST<br>WITH OBST<br>TO VISION | TOTAL<br>NO OF<br>OBS |
|--------|------------------|----------------------|---------------------------|-----------------------------------|-------------------------|------|-------------------------|------|-------------------------|-----------------|------------------------|-------------------------------------|-----------------------|
| JUN    | 00-02            |                      |                           |                                   |                         |      |                         |      |                         |                 |                        |                                     |                       |
|        | 03-05            |                      |                           |                                   |                         |      |                         |      |                         | -               |                        |                                     | 5                     |
|        | 06#08            |                      | 18,9                      |                                   |                         |      | 18,9                    | 21,3 | 8,5                     |                 |                        | 29,9                                | 164                   |
|        | 09511            | ,6                   | 15.1                      | -                                 |                         |      | 15.1                    | 11.4 | 14.5                    |                 |                        | 25,9                                | 166                   |
|        | 12-14            | <u>. 6</u>           | 12.7                      |                                   |                         |      | 12,7                    | 11.5 | 12,7                    |                 |                        | 24,2                                | 165                   |
|        | 15-17            | 9                    | 8 . 2                     |                                   |                         |      | 8,2                     | 4,5  | 13,6                    |                 |                        | 18,2                                | 110                   |
|        | 18-20            |                      |                           |                                   |                         |      |                         |      |                         |                 |                        |                                     |                       |
|        | 21-23            |                      |                           |                                   |                         |      |                         |      |                         |                 |                        |                                     |                       |
|        |                  |                      |                           |                                   |                         |      | <u> </u>                |      |                         |                 |                        | <u> </u>                            |                       |
|        |                  |                      |                           |                                   |                         |      |                         |      |                         |                 |                        | <u> </u>                            |                       |
|        |                  |                      |                           |                                   |                         |      |                         |      |                         |                 |                        |                                     |                       |
|        |                  |                      |                           |                                   |                         |      |                         |      |                         |                 |                        | <del> </del>                        |                       |
| TOTALS | <u> </u>         | . 4                  | 11.0                      |                                   |                         |      | 11.0                    | 9:7  | 9,9                     |                 |                        | 19.6                                | 610                   |

USAFETAC PORM 0-10-5 (OL-1), PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

#### **WEATHER CONDITIONS**

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STEGENBURG GERMANY GUNNERY RANGE

68-70

JUL

### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

| HOURS<br>(LST.) | THUNDER-<br>STORMS  | RAIN<br>AND/OP<br>DRIZZLE   | FREEZING<br>RAIN & OR<br>DRIZZLE                               | SNOW<br>AND/OR<br>SLEET                        | HAIL   | OBS WITH PRECIP                                    | FOG  | SMOKE<br>AND/OR<br>HAZE  | 81.OWING<br>SNOW   | AND/OR   |  | TOTAL<br>NO OF<br>OBS  |
|-----------------|---|---|--|--|--|--|--|--|--|--|--|--|
| 00-02           |   |   |  |  |  |  |  |  |  |  | <u> </u>   |  |
| 03+05           |   |   |  |  |  |  |  |  |  |  | <u> </u>   |  |
| 06 <u>#0</u> 8  |   | 12.2  |  | 1  |  | 12,2   | 35.1   | 19.7   |  |  | 53.2   | 188  |
| 09-11           | . 5   | 13.8  |  |  |  | 13.8   | 14.4   | 22.1   |  |  | 36.4   | 195  |
| 12-14           | 1,6   | 13,7  |  | -  |  | 13,7   | 4.7  | 16,8   |  |  | 21.6   | 190  |
| 15-17           |   | 5,9   |  |  |  | 5,9  | .7   | 15.6   |  |  | 16.3   | 135  |
| 18 <b>±2</b> 0  |   |   |  |  |  |  |  |  |  |  |  |  |
| 21-23           |   |   |  |  |  |  |  |  |  |  | <u> </u>   |  |
|                 |   |   |  |  |  |  |  |  |  |  |  |  |
|                 |   |   |  |  |  |  |  |  |  |  |  |  |
|                 |   |   |  |  |  | 11,4   |  | 18,6   |  |  | 31,9   | 708  |
|                 | 00=02<br>03=05<br>06=08<br>09=11<br>12=14<br>15=17<br>18=20 | 00-02<br>03-05<br>06-08<br>09-11 .5<br>12-14 1.6<br>15-17<br>18-20<br>21-23 | HONGE   STORMS   STORMS   ON   ON   ON   ON   ON   ON   ON   O | HODES   HUNDER   AND/OP   RAIN 8 /OR   DRIZZLE | HOUSE   CLST.  STORMS   AND/OP   RAIN & FOR   AND/OR   DRIZZLE   DRIZZLE   SLEET | HOUSE   STORMS   AND/OP   RAIN 8 FOR AND/OR   MAIL | HOUSE   CLST.   STORMS   AND/OP   RAIN 8 /OR   AND/OR   HAIL   OBS WITH   PRECIP | HOUSE   CLST.  STORMS   AND/OP   RAIN 8 /OR   AND/OR   HAIL   OBS WITH   FOG | HOUSE   CLST.  STORMS   AND/OP   PRICIP   PRICIP   POG   AND/OR   HAZE | HONE   HONE   AND OP   RAIN & OR   AND OR   HAIL   OBS WITH   FOG   AND OR   BOWING   SNOW | HOUNG   CLST.)   STORMS   ORIZZIE   ORIZZIE   SIEET   HAIL   ORS WITH   FOG   AND/OR   AND/OR   AND/OR   AND/OR   AND/OR   ORIZZIE   O | HONDER   AND/OR   RAIN & OR   SIGET   HAIL   OSS WITH   FOG   AND/OR   SIGET   WITH OSS IN OWN   SAND   TO VISION |

USAFETAC  $^{\text{PORM}}_{\text{ARY 64}}$  0-10-5 (OL-1), methods extrons of this folia are desoutte

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#### **WEATHER CONDITIONS**

34199 SIEGENBURG GERMANY GUNNERY RANGE 68=70 4UG
STATION STATION NAME YEARS MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

| TOTALS |                   | 1.1      | 13,4                      |                                  |  |      | 13,4   | 25,3   | 25.0                    |                 |                        | 49.5                                     | 649                   |
|--------|-------------------|----------|---------------------------|----------------------------------|--|------|--|--|-------------------------|-----------------|------------------------|--|-----------------------|
|        |                   |          |                           |                                  |  |      | I HARLY MARKET AND ADDRESS OF THE PARTY OF T | Hillinditis Hann Saapus Disputes   |                         |                 |                        | To the second second                     |                       |
|        |                   |          |                           | department of the second         |  |      | Threshold property of the Control of | PROPERTY AND PROPE |                         |                 |                        | A MA I I I I I I I I I I I I I I I I I I |                       |
|        | 21-23             |          |                           |                                  | and the state of t |      | CANADA MARINE III  |  |                         |                 |                        | 4 4                                      |                       |
|        | 18-20             |          |                           |                                  |  |      |  |  |                         |                 |                        |  |                       |
|        | 15-17             | . 9      | 5,5                       |                                  |  |      | 5,5  | 2.5  | 24,8                    |                 |                        | 27.5                                     | 109                   |
|        | 12-14             | 1.1      | 12,9                      |                                  |  |      | 12,9   | 15.7   | 28,1                    | !<br>           |                        | 43,8                                     | 178                   |
|        | 09#11             | 1.1      | 21,4                      | <u>'</u>                         |  |      | 21.4   | 26.9   | 29.7                    |                 |                        | 56,0                                     | 182                   |
|        | 06-08             | 1.1      | 13,9                      |                                  | 1  |      | 13,9   | 55.6   | 17.2                    |                 |                        | 70.6                                     | 180                   |
|        | 03-05             |          |                           |                                  |  |      | :  |  |                         |                 |                        |  |                       |
| ΔÜĞ    | CO÷OZ             |          |                           | i<br>i<br><del> </del>           |  |      | i i  |  |                         |                 |                        |  |                       |
| МОНТН  | HOURS<br>(L.S.T.) | THUNDER- | RAIN<br>AND OR<br>DRIZZLE | FREEZING<br>RAIN & OR<br>DRIZZLE | SNOW<br>AND/OR I<br>SLEET  | HAIL | % OF<br>OBS WITH<br>PRECIP.  | FOG  | SMOKE<br>AND OR<br>HAZE | BLOWING<br>SNOW | DUST<br>AND OR<br>SAND | S OF OBS<br>WITH OBST<br>TO VISION .     | TOTAL<br>NO OF<br>OBS |

USAFETAC REY 64 0-10-5 (OL-1), PREVIOUS EDITIONS OF THIS FORM ARE OBSOLET

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#### **WEATHER CONDITIONS**

34199 STATION STATION NAME STAT

### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

| монтн       | HOURS<br>(LS T.)  | THUNDER-<br>STORMS | RAIN<br>AND, OR<br>DRIZZLE | FREEZING<br>RAIN & /OR                | SNOW<br>AND/OR<br>SLEET | HAIL | S OF<br>OBS WITH<br>PRECIP | гос  | SMOKE<br>AND OR<br>HAZE | BLOWING ' | DUST<br>AND OR<br>SAND | S OF OBS .<br>WITH OBST<br>NOISIV OT | TOTAL<br>NO OF<br>OBS |
|-------------|-------------------|--------------------|----------------------------|---------------------------------------|-------------------------|------|----------------------------|------|-------------------------|-----------|------------------------|--------------------------------------|-----------------------|
| SEP         | 00-02             |                    |                            | * * * * * * * * * * * * * * * * * * * |                         |      | <del></del>                |      |                         | ·<br>     |                        |                                      |                       |
|             | 03#05             |                    |                            |                                       |                         |      | <u> </u>                   | ·    |                         |           |                        |                                      |                       |
|             | 90=08             |                    | 3,8                        |                                       |                         |      | 3,8                        | 65,6 | 14.8                    |           |                        | 79.8                                 | 183                   |
|             | 09-11             |                    | 3,8                        | 111                                   |                         |      | 3,8                        | 32,8 | 32,8                    |           |                        | 65.6                                 | 186                   |
|             | 12=14             |                    | 5,9                        |                                       |                         |      | 5,9                        | 9.1  | 34,9                    |           |                        | 44,1                                 | 186                   |
|             | 15-17             |                    | 2,5                        |                                       |                         | _    | 2,5                        | 5,9  | 24,6                    |           |                        | 30,5                                 | 118                   |
|             | 18-20             |                    |                            |                                       |                         |      |                            |      |                         |           |                        |                                      |                       |
|             | 21 <del>2</del> 3 |                    |                            |                                       |                         |      |                            |      |                         |           |                        |                                      |                       |
|             |                   |                    |                            |                                       |                         |      |                            |      |                         |           |                        |                                      |                       |
|             |                   |                    |                            |                                       |                         |      |                            |      |                         |           |                        |                                      |                       |
|             |                   |                    |                            |                                       |                         |      |                            |      |                         |           |                        |                                      |                       |
| <del></del> |                   |                    |                            | <u> </u>                              |                         |      | <u> </u>                   |      |                         |           |                        |                                      |                       |
| TOTALS      |                   |                    | 4.0                        |                                       |                         |      | 4.0                        | 28.4 | 26.8                    |           |                        | 55.0                                 | 673                   |

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#### **WEATHER CONDITIONS**

34199 STEGENBURG GERMANY GUNNERY RANGE 68-70 CCT
STATION STATION NAME YEARS MONTH

### PERCENTAGE PREQUENCY OF OCCURRENCE OF HEATHER CONDITIONS FROM HOURLY OBSERVATIONS

| момтн  | HOURS<br>(LST) | THUNDER-<br>STORMS | RAIN<br>AND-OR<br>DRIZZLE | FREEZING RAIN & 'OR' | SNOW<br>AND/OR<br>SLEET | HAIL | S OF<br>OBS WITH<br>PRECIP | FOG  | SMOKE<br>AND/OR<br>HAZE | BLOWING<br>SNOW                         | DUST<br>AND OR<br>SAND | * OF OBS<br>WITH OBST<br>TO VISION | TOTAL<br>NO OF<br>OBS |
|--------|----------------|--------------------|---------------------------|----------------------|-------------------------|------|----------------------------|------|-------------------------|---|------------------------|------------------------------------|-----------------------|
| ECT    | 00-02          |                    |                           | 1                    |                         |      |                            |      |                         | t<br>                                   | <del></del>            | ·                                  |                       |
|        | 03=05          |                    |                           |                      | -                       |      | <u>.</u>                   |      |                         |   |                        |                                    |                       |
|        | 06=08          |                    | 16.8                      |                      | . 5                     |      | 16,8                       | 66.5 | 12.0                    |   |                        | 78.5                               | 191                   |
|        | 09-11          |                    | 21.0                      |                      |                         |      | 21.0                       | 50.8 | 24.6                    |   |                        | 71.8                               | 195                   |
|        | 12=14          |                    | 9,4                       | 1                    |                         |      | 9,4                        | 28.1 | 27.6                    |   | <del></del>            | 54.7                               | 192                   |
|        | 15-17          |                    | 5,2                       |                      |                         |      | 5,2                        | 11.5 | 27,1                    |   |                        | 38,5                               | 96                    |
|        | 18-20          |                    |                           |                      |                         |      |                            |      |                         | 1                                       | <br>                   | <u> </u>                           |                       |
|        | 21623          |                    |                           |                      |                         |      |                            |      |                         |   | <u> </u>               | <u> </u>                           |                       |
|        |                |                    |                           |                      |                         |      |                            |      |                         | *************************************** |                        |                                    |                       |
|        |                |                    |                           |                      |                         |      |                            |      |                         |   |                        | <u> </u>                           |                       |
|        |                |                    |                           |                      |                         |      |                            |      |                         |   |                        |                                    |                       |
|        |                |                    |                           |                      |                         |      | <u> </u>                   |      |                         |   |                        |                                    |                       |
| TOTALS |                |                    | 13,1                      |                      | .1                      |      | 13.1                       | 39.2 | 22.8                    |   |                        | 60.9                               | 674                   |

USAFETAC ART 64 0-10-5 (OL-1), MEMOUS EDITIONS OF THIS FORM ARE OBSOLETE

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#### **WEATHER CONDITIONS**

34199 SIEGENBURG GERMANY GUNNERY RANGE 68-70 YEARS WONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

| монтн  | HOURS<br>(L.S.T.) | THUNDER-<br>STORMS | RAIN<br>AND/OR<br>DRIZZLE | FREEZING<br>RAIN & 'OR<br>DRIZZLE | SNOW<br>AND/OR<br>SLEET | НАЦ | 3 OF<br>OBS WITH<br>PRECIP | FOG          | SMOKE<br>AND/OR<br>HAZE | BLOWING SNOW | DUIST | % OF OBS<br>WITH OBST<br>TO VISION   | TOTAL<br>NO OF<br>OBS |
|--------|-------------------|--------------------|---------------------------|-----------------------------------|-------------------------|-----|----------------------------|--------------|-------------------------|--------------|-------|--|-----------------------|
| NOV    | 00-02             |                    |                           |                                   |                         |     | <u> </u>                   | <del>-</del> |                         |              |       | <u> </u>   |                       |
|        | 03-05             |                    |                           |                                   |                         |     |                            |              |                         |              |       | !  |                       |
|        | 06-08             |                    | 19,3                      | .8                                | 2,5                     |     | 22,7                       | 34,5         | 11.8                    |              |       | 46.2   | 119                   |
| _,     | 09-11             |                    | 16,5                      |                                   | 7,4                     |     | 24.0                       | 32,2         | 19.8                    |              |       | 51.2   | 121                   |
|        | 12-14             |                    | 18,3                      |                                   | 7.0                     |     | 23,5                       | 26,1         | 20.9                    |              |       | 46.1   | 115                   |
|        | 15-17             |                    | 12,2                      |                                   | 2.0                     |     | 14,3                       | 8.2          | 10.2                    |              |       | 18,4   | 49                    |
|        | 18-20             |                    |                           |                                   |                         |     |                            |              |                         |              |       | İ İ  |                       |
|        | 21-23             |                    |                           |                                   |                         |     |                            |              |                         |              |       | 1000-2 happy - 1000  |                       |
|        | Maringa savay     |                    |                           |                                   |                         |     | <u> </u>                   |              |                         |              |       | A RESIDENCE OF THE PROPERTY OF | <del></del>           |
|        |                   |                    |                           |                                   |                         |     |                            |              |                         |              |       | 4 HIST   |                       |
| TOTALS |                   |                    | 16,6                      | , 2                               | 4,7                     |     | 2161                       | 25.3         | 15,7                    |              |       | 40.5   | 404                   |

USAFETAC FORM 0-10-5 (OL-1), regyous formore of this form are obsolete

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#### WEATHER CONDITIONS

SIEGENBURG GERHANY GUNNERY RANGE 68-70 DEC

### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

| нтиом  | HOURS<br>(LS.T.) | THUNDER-<br>STORMS | RAIN<br>AND/OR<br>DRIZZLE | FREEZING<br>RAIN & /OR<br>DRIZZLE | SNOW<br>AND/OR<br>SLEET | HAIL | OBS WITH PRECIP. | FOG  | SMOKE<br>AND/OR<br>HAZE | DUST | % OF OBS<br>WITH OBST<br>TO VISION | TOTAL<br>NO OF<br>OBS |
|--------|------------------|--------------------|---------------------------|-----------------------------------|-------------------------|------|------------------|------|-------------------------|------|------------------------------------|-----------------------|
| DEC    | 00-02            |                    |                           |                                   |                         |      |                  |      |                         |      |                                    |                       |
|        | 03-05            |                    |                           |                                   |                         |      | <u> </u>         |      |                         |      | ·                                  |                       |
|        | 06=08            |                    | 5,0                       | 5,7                               | 10.0                    |      | 20.7             | 47.1 | 20.7                    |      | 67.1                               | 140                   |
|        | 09-11            |                    | 5,2                       | 4.4                               | 11,1                    |      | 20.7             | 55,6 | 18.5                    | <br> | 73,3                               | 135                   |
|        | 12-14            |                    | 6.7                       | 2.5                               | 9,2                     |      | 18.5             | 47.9 | 17.6                    |      | 65.5                               | 119                   |
|        | 15617            | ,                  |                           |                                   |                         |      |                  | 17.4 | 34,8                    |      | 32.2                               | 23                    |
|        | 18-20            |                    |                           |                                   |                         |      |                  |      |                         |      |                                    | <del></del>           |
|        | 21-23            |                    |                           |                                   |                         |      |                  |      |                         |      |                                    |                       |
|        |                  |                    |                           |                                   |                         |      |                  |      |                         |      |                                    |                       |
| ~      |                  |                    |                           | !<br>!                            |                         |      |                  |      |                         |      |                                    | -,                    |
|        |                  |                    |                           |                                   |                         |      |                  |      |                         | <br> |                                    |                       |
|        |                  |                    |                           |                                   |                         |      |                  |      |                         | <br> | 1                                  | <del>-</del>          |
| TOTALS |                  |                    | 4,2                       | 3,2                               | 7,6                     |      | 15.0             | 42.0 | 22.9                    | <br> | 64.5                               | 417                   |

USAFETAC ALT & 0-10-5 (OL-1), PREVIOUS EDITIONS OF THIS FORM ARE ORSOLETE

DYDA HISOTOCING DIVISION BEAC/US-F AIR TEXTHER SETVICE (MAC) ASHEVILLE, NOMTH CAPOLINA

#### PART B PRECIPITATION, SNOWFALL & SNOW DEPTH

This portion of the Uniform Gurmary presents in two sets of tables, the daily amounts and extreme values of the following:

PRECIPITATION

DATA NOT AVAILABLE

DERIVED FROM DAILY COLEMNATIONS

SHOWFALL\*

DAIR NOT AVAILABLE

DERIVED FROM DAILY OBSERVATIONS

SMOW DEPTH

DATA NOI AVAILABLE

DERIVED FROM DAILY OBJERVATIONS

- 1. The first table for each of the above precents the percentage frequency of varior daily amounts, by month and annual, all years combined. The percentage of days with measurable arount, is also computed monthly and annually. Also shown for the precipitation and showfall tables, are the monthly wean amounts, annual mean amounts (sum of monthly mean amounts), and the extreme monthly amounts (greatest and least). The latter statistics above are not presented for the show depth summary since they would have limited use and may be misleading.
- 2. The second set of tables for each of the above presents the extreme daily amounts by individual year and month for the entire period of record available. Also provided are the means and standard deviations for each month and annual (all months). The extremes for a month are not printed nor used in computations if one or more observations are missing.

NOTE: Show depth was recorded and punched at various hours during the period available from U. S. operated stations. The periods and hours used in the snow depth summary vary by service and period as follows:

Air Force Stations From beginning of record thru 1945 Snow depth at 0300 LST

Jan 46-May 57 Snow depth at 1230 GCT

Jun 57-present Snow depth at 1200 GCT

U. S. Navy and Weather Bureau Stations From beginning of record thru Jun 52 Jul 52-May 57

Snow depth at 0030 GCT Snow depth at 1230 GCT Snow depth at 1200 GCT

Jun 57-present Snow depth a

\* Hail was included in snowfall occurrence in the summary of the day observation prior to Jan 1956,



doubly orthogrammental ball (3 Prop.)

DAŤA PŘOCESSING DIVISIOM UŠÁF: ETAC AIR HEÁTHER SERVÍCE/MAC

#### **EXTREME VALUES**

PRECIPITATION

34199 STEGENBURG CERMANY GUNNERY RANGE 68-70

24 HOUR AHOUNTS IN INCHES

| MONTH!   | JAN. | FEB          | mar.   | APR      | MAY      | ルN       | JUL  | AUG             | SEP            | OCT            | NOV      | DEC | ALL<br>MONTHS |
|--|------|--------------|--|----------|----------|----------|--|-----------------|----------------|----------------|----------|-----|---------------|
| EAR 1  |      |              |  |          |          |          |  | · · · · · · · · |                |                |          |     | MONTH         |
| ŧ.   |      |              |  |          |          |          |  |                 |                |                |          |     | ,             |
|  |      |              |  |          |          |          |  | <b>-</b>        |                | •              |          |     | -             |
| ;  |      |              |  |          |          |          |  |                 |                |                |          | •   |               |
|  |      |              |  |          |          |          |  |                 |                | <b>.</b>       |          |     |               |
| •  |      |              |  |          |          |          |  |                 |                |                |          |     |               |
| <u>-</u>   |      |              |  |          |          |          |  |                 |                |                |          |     |               |
| ring v   |      |              |  |          |          |          |  |                 |                |                |          |     | ,<br>,        |
|  |      |              |  |          |          |          |  |                 |                | <del></del>    |          |     |               |
|  |      |              |  |          |          |          |  |                 |                |                |          |     |               |
|  |      |              |  |          |          |          |  | <del></del>     |                | <u></u>        |          |     |               |
|  |      |              |  |          |          |          |  |                 |                |                |          | i   |               |
|  |      |              |  |          |          | •        | <u> </u>   | •               |                | <u> </u>       |          |     |               |
| THEY THE   |      |              |  |          |          |          |  |                 |                |                |          |     |               |
|  |      |              |  | ·        |          |          |  | ·               |                | <u> </u>       |          |     |               |
| y de la companya de l |      |              |  |          |          |          |  |                 | į              | -              |          |     |               |
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DĀĪA PROCESSING DIVISION USĀF ĒĪĀC AIR WĒĀŢHĒR SĒRVĪCE/MAC

#### **EXTREME VALUES**

PRECIPITATION THOM DARY ORDERVATIONS

34199 STEGENBURG GERMANY GUNNERY RANGE 68-TO

### 24 HOUR AMOUNTS IN INCHES /BASED ON LESS THAN RULL HONTHS/

| WONTH.<br>YEAR   | JAN         | 765            | MAR                                     | APR            | MAY          | KIN          | AR.          | AUG   | æ              | 007             | ₩                                       | <b>28C</b> | MONTHS   |
|--|-------------|----------------|---|----------------|--------------|--------------|--------------|---|----------------|-----------------|---|------------|--|
| 68   |             |                |   | .521           | 20.          | 59           | 18           | 1.56  | 149            |                 | ,34·                                    | ,27<br>11  | PRECIP   |
| 69   | .06:<br>27  | 0              | _0                                      |                | 0            | 0            | _0           |   | _0             | o               | Δ.                                      | _0         | PRECIP   |
| 70   | 0           | 13             | 170                                     |                | -            | <del>-</del> |              |   | <b>-</b>       |                 | -                                       |            | PRECIP<br>DAYS<br>PRECIP<br>PAYS<br>PRECIP<br>GAYS   |
| Business and the state of the s |             |                |   |                |              |              |              |   |                |                 | ~ · · · · · · · · · · · · · · · · · · · |            | a Pro-   |
| <u>9</u>   |             |                |   |                |              |              |              |   |                | <del></del>     |   |            | mile eta) mue aumentel   |
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| Process Dr. * C. (   1000)   |             | <del></del> ÷- |   | <del></del> +- |              | - *          |              | <u>-</u>  |                |                 |   |            | - de elemente de la company de |
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| Mary College   | De ci       | <del></del> +  | *************************************** | 1              | <del>i</del> |              | 2 0 0        | 0. d 100mm  | 46 IF ARMODING | <del></del>     | <del></del>                             |            | E ALLEGORITORIS DE LA COMPANION DE LA COMPANIO |
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USAF ETAC FOR O 88-5 (OU)

#### **EXTREME VALUES**

SHOWFALL

34389 STEGENBURG GERMANY GUNNERY KANGE 70 ----

#### 24 HOUR AMOUNTS IN INCHES

| MONTH!   |     | ffs.          | w.i.t                                   | 136     | MAY         | AN .         | **           | ALIG.        | \$2  | oc-  | - ◊  | <b>*</b> <   | ASSES .  |
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REFRECTOR OFFICE

#### **EXTREME VALUES**

SNOWRALL IFROM DAILY OBSERVATIONS

34174 STEGENBURG GERHANY GUNNERY RANGE 70

24 MOUR AMOUNTS IN INCHES /Based on less Than Pullmonths/

| MONTH!   | JAN | FEB  | MAR                 | APR      | MAY                                    | , אטנ | .UL | AUG   | SEP                                     | ОСТ           | NOV            | DEC      | ALL<br>MONTHS  |
|--|-----|--|---------------------|----------|--|-------|-----|---|---|---------------|----------------|----------|--|
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| uguingu  |     |  |                     |          |  |       |     | <u> </u>  | <u> </u>                                | ļ             | <u> </u>       |          | L.Communication  |
| an maint   |     | 1  |                     |          |  |       |     | :<br> <br>  |   |               |                |          |  |
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| nin second   |     |  |                     |          |  |       |     |   | <u> </u>                                | <del></del> - |                |          | Name of the last o |
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| 7.   |     |  |                     |          |  |       |     |   | I .                                     |               | <u> </u>       | <u> </u> | TORREST TO   |
| THE STREET   |     | History (1994)   | -                   |          | ************************************** |       |     |   | *************************************** | 1             |                |          | ONSARACH ISCAN   |
| MEAN   |     |  |                     |          |  |       |     |   |   |               |                |          |  |
| S. D.<br>TOTAL: OBS.   |     | <del>  -  </del>   |                     |          | <b> </b>                               |       |     | <del> </del>  | <del> </del>                            | <del></del> - | <del> </del>   |          |  |

USAF ETAC FORM 0-88-5 (CU)

DÁTÁ-PROCESSING DIVISION USÁFEETAC AIRGHEÁTHER SERVICE/MAC

#### **EXTREME VALUES**

SNOW DEPTH

34 199 STEGENBURG GERMANY GUNNERY RANGE 68 170

#### DAÎLY SNOW DEPTH IN INCHES

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|--|-----------------|----------|--------|---|---|------|--|
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USAF ETAC FORM 0-88-5 (OLI)

DAŤA PŘOCĚŠSING DIVISION USAFIETAC AÍR WEATHER SERVÍCE/HAC

#### **EXTREME VALUES**

SÑON DEPTH (FROM DAILY DESERVATIONS:

STEGENBURG GERMANY GUNNERY RANGE 68-70

DAŽĽÝ SNOH DEPŤH ÍN ÍNGHES /BÁSED::ON:LESS: THÁN HUĽĹ::HONTHS/

| MONTH          | JAN           | FEB  | MAR.     | APR.            | MAY   | אטנ | JUL. | AUG        | SEP         | oct          | NOV     | DEC.         | ALL<br>MONTHS  |
|----------------|---------------|--|----------|-----------------|-------|-----|------|------------|-------------|--------------|---------|--------------|--|
| .68 E          |               |  |          | .5              | žo o  | _16 | .ó   | 2 <u>3</u> | ž0.         | 22 'Ói       | ĨŽ '\$; | 13<br>. Š.Š. | ŠNO DPTH   |
| 69 E           | 19            | 19   | 20       | ī9 <sup>0</sup> | īž 10 |     | ŽÎ 0 | Žõ         | .ŽÎ         | 21 0j        | 11.0    | 19.          | SNC DPTH   |
| 70             | .9<br>_16:_   | 15_  | _î9      |                 | ·     |     |      | í          |             |              |         |              | SNO DUTH   |
|                |               |  |          |                 |       |     |      |            | <del></del> |              |         |              | W. & & & & & & & & & & & & & & & & & & &   |
| est Value      | ·             |  |          |                 | İ     |     |      |            |             |              |         |              | The diam   |
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| - Girkvill     |               |  |          |                 |       |     |      |            |             |              |         |              |  |
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| LANDERS        |               |  |          |                 |       |     |      |            |             |              |         |              | - Andrett Maria  |
| WHENCENCHE     |               |  |          |                 |       |     |      |            |             |              |         |              |  |
| and the second |               |  |          |                 |       |     |      |            |             |              |         |              |  |
|                |               | <u>                                     </u>     |          |                 |       |     |      |            |             |              |         |              |  |
| MEAN           |               |  |          |                 |       |     |      |            |             |              |         |              |  |
| S. D.          |               |  | I        | T               |       |     |      |            | ì           |              |         |              | N. C. C. C. C. C. C. C. C. C. C. C. C. C.  |
| TOTAL OBS.     | · · · · · · · | <del>                                     </del> | <u> </u> | <u> </u>        |       |     |      |            |             |              |         |              | #<br>#<br>#  |

USAF ETAC AN AL 0-88-5 (OU)

DUTA FROCESSING DIVISION BIRO/UDAF AIR WENTHER SERVICE (MAC) ASHIVILLE, MORTH CAROLINA

PART C

#### SURFACE WINDS

Presented in this part are various tabulations of surface winds as follows:  $\ensuremath{\mathsf{DATA}}$  NOT AVAILABLE

1. Extrame Values - Fark Custs: Derived from delly observations and presented by individual year and month for the entire period of record available. Speeds are presented in knots, while directions are given in 16 compass points from the beginning of record through 1963, and in tens of degrees starting in Junuary 1964. When 90% or mort of the delly observations of poak gust wind data are available for a month, the extrame is selected and printed. These values are then used to compute means and standard deviations for the entire period. Every month of a year must have valid observations present before the ALL MSLIES value is selected for that year. Means and standard deviations are computed when four or more values are present for any column. A supplementary list of Peak Gusts by year-month with < 90% observations reported is also provided.

NOTE: According to Circular N opecifications, "peak gust data are recorded only at stations with continuous instantaneous wind-speed recorders."

2. Bivariate corrections frequency tabulations: Derived from hourly observations, these tabulations are a percurvage frequency of vita directions to 15 compass points and calm by wind specis (knots) in increments of Becufort classifications. Percentages are shown by both direction and speed, and in addition the mean wind speed for each direction.

A separate category is provided on the form for variable winds, which are reported in some data sources. In these data where light and variable winds are reported with no directions but with speeds given, the speeds will be summarized in the appropriate groups opposite the column headed VARBL.

- a. Tiree tables are prepared for all surface winds included, and for all years combined as follows:
  - (1) Annual all hours combined
  - (2) By month all hours combined
  - (3) By month by standard 3-hour groups
- b. A separate entual table is also presented for surface winds meeting the following cailing and visibility conditions: INSTRUCTOR CLASS: Cailing 200 through 1400 feet inclusive with visibility equal to or greater than 1/2 mile, and/or visibility 1/2 through 2-1/2 miles inclusive with cailing equal to or greater than 200 feet.

#### SURFACE WINDS

TOTAL NUMBER OF OBSERVATIONS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

|                         | enburg<br>— | STATION | WYAR.  |         |         | ATHER       |              | ,       | EARS        |              |     |       | BL<br>(LST)  |
|-------------------------|-------------|---------|--------|---------|---------|-------------|--------------|---------|-------------|--------------|-----|-------|--------------|
|                         | -           |         |        |         | CON     | DITION      |              |         |             | <del>-</del> |     |       |              |
| SPÉED<br>(KNTS)<br>DIR. | 1 - 3       | 4-6     | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27     | 28 - 33      | 34 - 40 | 41 - 47     | 43 · 55      | ≥56 | ***   | MEAR<br>WIND |
| N                       | . 5         | 9       | .3     | .0      |         |             | l l          |         |             |              |     | 1.7   | 5            |
| NNE                     | . 4         |         | .2     | 1       |         |             |              |         |             |              | i   | 1.6   | 4.           |
| NE                      | .7          |         | . 8    | .1      |         |             | Ī            |         |             |              |     | 3,2   | 5,           |
| ÉNE !                   | 1.4         | 3,8     | 1.7    | .4      |         |             | 1            |         |             |              |     | 7,3   | - 5,         |
| Ę                       | 1.6         | 451     | 1.7    | .4      | .0      |             |              |         |             |              | ŧ   | 7,8   | 5,           |
| ESE                     | . 8         | 1.9     | . 8    | 1       |         |             |              |         |             |              |     | 3,5   | - 5,         |
| SE                      | . 3         | 1.0     | . 5    | .0      |         |             |              |         |             |              |     | 1,5   | 5            |
| SSE                     | . 4         | .9      | .2     | •0      |         |             |              |         |             |              |     | 1,4   | 4,           |
| S                       | .6          |         | 3      | - 1     | .0      |             |              |         |             |              |     | 2,4   | 5            |
| SSW                     | ,3          |         | 6      |         |         |             |              |         |             |              |     | 2,0   | 6            |
| sw                      | . 3         | _111    | 164    | . 3     | 0       |             | <u> </u>     |         |             |              |     | 3,2   | 7.           |
| wsw                     | 1.0         | 4.1     | 6.1    | 1.9     | _,2     |             | <u> </u>     |         |             |              |     | 13,1  | -7           |
| W                       | 1.7         | 7.0     | 3:5    | 1.6     | . 3     |             | <u></u>      |         |             | <u> </u>     |     | 16,1  |              |
| WNW                     |             | 1 8 6   | 1.6    | . 3     |         |             |              |         |             |              |     | 464   | 6.           |
| NW                      | - 4         | 9       | 6      | 2       | .0      |             | <u> </u>     |         |             |              |     | 2,0   | - 6,         |
| NNW                     | 5           | 7.      |        |         |         | L           | <u> </u>     |         |             |              |     | 1,7   | 3,           |
| VARBL                   | 163         | 7       | . 0    |         | 0       | Ļ           | <u>L</u>     | Ļ       |             |              |     | 2,2   | 3,           |
| CALM                    | ><          | ><      | ><     | ><      | ><      | ><          | ><           | ><      | ><          | ><           | ><  | 24.4  |              |
| _ <del></del>           |             | 33.6    | 22,9   | 5.7     | .5      | <del></del> | <del> </del> |         | <del></del> | <del></del>  |     | 100,0 | -4,          |

USAFETAC FORM 0-8-5 (OL-1) previous editions of this form are obsoleti

34199 SIEGENBURG GERHANY GUNNERY RANGE 69-70

#### SURFACE WINDS

TOTAL NUMBER OF OBSERVATIONS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

|                         |       | STATION | MARE           |         | ALL M   | SATHER        |         |                   |                   |              |             | A                                     | LL          |
|-------------------------|-------|---------|----------------|---------|---------|---------------|---------|-------------------|-------------------|--------------|-------------|---------------------------------------|-------------|
|                         |       |         |                |         | ćL      | ASS           |         |                   |                   |              |             | #00 #3                                | (L1         |
|                         |       |         |                |         | CON     | DITPON        |         |                   |                   |              |             |                                       |             |
|                         |       |         |                |         |         |               |         |                   |                   |              | ,           |                                       |             |
| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4.6     | 7 - 10         | 11 - 16 | 17 - 21 | · 27          | 28 - 33 | 34 - 40           | 41 - 47           | 48 - 55      | ≥56         | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | A<br>V<br>S |
| И                       |       |         |                |         |         |               |         | i                 |                   |              |             |                                       | _           |
| NNE                     |       |         |                |         |         |               |         |                   |                   |              |             |                                       |             |
| NE !                    |       | 1.1     |                |         |         |               |         |                   | i                 |              |             | 1,1                                   |             |
| ENE                     | 4.2   | 6.4     | , 5            |         |         |               |         |                   |                   |              | !           | 11,1                                  |             |
| E                       | 5.3   | 7.4     | . 8            |         |         |               |         |                   |                   |              |             | 13,5                                  |             |
| ESE                     | 1,3   | 3,4     | 1.9            |         |         |               |         |                   | Ī                 | !            |             | 5,6                                   |             |
| SE                      |       |         |                |         |         |               |         |                   |                   |              |             | 4 ,8                                  |             |
| SSE                     | , 5   |         |                |         |         |               |         |                   | T                 |              |             | į , 5                                 |             |
| S                       | . 3   |         |                |         | i       |               |         |                   | I _               | i            |             | . 3                                   |             |
| SSW                     | . 5   | 3       | .8             |         |         |               |         |                   |                   |              |             | 1,6                                   |             |
| sw 1                    |       | . 3     | . 8            |         |         |               |         |                   |                   |              |             | 1,6                                   |             |
| WsW                     | _,3   | 3.4     | 344            |         |         |               |         |                   |                   |              |             | 6,6                                   |             |
| w                       | 1,6   | 5.3     | 111            |         |         |               |         |                   |                   |              |             | 8,0                                   |             |
| WWW                     |       | 171     |                |         |         |               |         |                   |                   |              |             | 1,1                                   |             |
| NW                      | . 5   |         |                |         |         |               |         |                   |                   |              |             |                                       |             |
| WNW                     |       | i       |                |         | 1       |               |         | T                 | T                 |              |             |                                       | _           |
| VARBL                   | -8    | .3      |                | l       |         |               | l       |                   | 1                 |              | <del></del> | 1.1                                   |             |
| CALM                    |       |         | $\overline{>}$ |         |         | $\overline{}$ | > <     | $\supset \subset$ | $\supset \subset$ |              |             | 45,6                                  |             |
|                         | 15.4  | 28.9    | 9,3            |         |         | ·             |         |                   | <u> </u>          | <del>[</del> |             | 100.0                                 | Ti-0        |

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#### SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

| SIEG                    | ENBURG | GERMAN | Y GUN       | VERY RA     | NGE         | 69   | <b>∌</b> 70 | <del></del> - | TARS .      |  |             | <u> </u> | EB  |
|-------------------------|--------|--------|-------------|-------------|-------------|--|-------------|---------------|-------------|--|-------------|----------|---|
|                         |        |        | <del></del> |             | ALL H       | EATHER   |             |               |             |  |             |          | LL<br>(LS.T.)                                 |
|                         | -      |        |             |             |             | intes  |             |               |             |  |             |          |   |
| SPEED<br>(KNTS)<br>DIR. | 1 - 3  | 4.6    | 7 - 10      | 11 - 16     | 17 - 21     | 22 - 27  | 28 - 33     | 34 - 40       | 41 - 47     | 48 · 55  | ≥56         |          | MEAN<br>WIND<br>SPEED                         |
| N                       | . 3    |        |             | .3          |             |  | <u> </u>    |               |             | <del> </del>                                     |             | 1 .5     | 9,0   |
| NNE                     | В      | 1.5    | · #         |             |             | <b></b>  | <del></del> |               |             | <del>                                     </del> |             | 2.8      | 4.6   |
| NE                      | .3     | 1.3    | 1.0         |             |             |  | l           |               |             |  |             | 2,6      | 4.6<br>5.8<br>4.7<br>4.6<br>6.3<br>7.3<br>4.0 |
| ENE                     | .5     | 3.9    |             |             |             | <del> </del>                                     |             |               |             |  |             | 4,4      | 4.7   |
| E                       | .8     |        | . 3         |             |             | <del>                                     </del> | i           |               |             |  |             | 3.1      | 4.6   |
| ESE                     | . 5    |        |             |             |             | i  | l ———       |               |             |  |             | 2.0      | 4.3   |
| SE                      |        | .3     | . 8         |             |             |  | i           |               |             |  |             | 1.0      | 7.3   |
| SSE                     | . 5    | 1.5    |             |             |             | I  |             |               |             | i  |             | 2.1      | 4.0   |
| S                       | _1.6   | 1.8    | . 8         |             |             |  |             |               |             |  |             | 4.1      | 4.4   |
| \$5W                    | 3      | 1.8    | 8           | . 8         |             |  |             |               |             |  |             | 3,6      | 7.4   |
| SW                      | 9.0    | 1.6    | 2,6         | . 8         |             |  |             |               |             |  |             | 5.7      | '7.5  |
| WSW                     | 241    | 1.6    | 8.0         | 2.3         | 1.3         |  |             |               |             |  |             | 19.4     | 8.7   |
| W                       | 1.6    | 3.6    | 5.4         | 1.6         | 1.0         |  |             |               |             |  |             | 13.5     | 8,4   |
| WXW                     | 1.0    | .5     | 1.3         |             |             |  |             |               |             |  |             | 2,8      | 8,4   |
| NW                      |        |        |             |             |             |  |             |               |             |  |             |          |   |
| NNW                     | 3      | .3     |             |             |             |  | <u> </u>    |               |             |  |             | 5        | 3,4   |
| VARBL                   | 8      | 5      |             |             |             | <u></u>  | <u>L</u>    |               |             |  |             | 1,3      | 3,4   |
| CALM                    |        |        | $\geq \leq$ | $\geq \leq$ | $\geq \leq$ |  |             | $\geq \leq$   | $\geq \leq$ | $\geq \leq$                                      | $\geq \leq$ | 29,8     |   |
|                         | 12:2   | 27,5   | 22,5        | 5.7         | 2.3         |  |             |               |             |  |             | 100,0    |   |

USAFETAC FORM 0-8-5 (OL-1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLET

#### SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

| SIEG                    | ENBURG   | GERMAN | Y GUN  | VERY R  | ANGE     | 69   | <u>÷70</u> |  | TARS     |              |           |   | AR                       |
|-------------------------|----------|--------|--------|---------|----------|--|------------|--|----------|--------------|-----------|---|--------------------------|
|                         |          | 2      |        |         | ∆ĹL ₩    | EATHER   |            | •  |          |              |           |   | LL                       |
|                         | _        |        |        |         |          | us   |            | -  |          |              |           |   | (LS.T.)                  |
|                         |          |        |        |         | (20)     | sortica<br>————————————————————————————————————  |            |  |          | <del>-</del> |           |   |                          |
| SPEED<br>(KNTS)<br>DIR. | 1 - 3    | 4 - 6  | 7 - 10 | 11 - 16 | 17 - 21  | 22 - 27  | 28 · 33    | 34 - 40  | 41 - 47  | 48 - 55      | ≥56       | and a surface of the | MEAN<br>WIND<br>SPEED    |
| N S                     | .2       | . ,5   | 2      |         |          | <del> </del> -                                   | i          |  |          | -            |           | <u> </u>  | 4.5                      |
| NNE                     |          | 2.6    | . 5    |         |          | i  |            | i  |          |              |           | 4,2   | 4,5<br>4,7               |
| NE                      | 1.4      | 3.0    | 1/2    |         |          | T  | Ī          |  | -        | :            |           | 3,6   | 4,9                      |
| ENE                     |          | 10,3   | 3.7    | .7      |          | İ  | İ          |  |          |              |           | 15,C  | 6,1                      |
| E ,                     |          | 4,7    | 116    | _ ,5    |          | 1  |            | i -  | <u> </u> |              |           | 7,3   | 0,1                      |
| ESE                     |          | 2,1    | ,7     | .2      |          |  | 1          | <del>                                     </del> | ├———<br> |              |           | 3,0   | 6,2                      |
| SE                      | .2       | 2      | ,2     |         |          | <u> </u>   | ļ          |  |          |              |           | 771   | 5.0                      |
| SSE                     |          |        |        |         |          | <del>                                     </del> |            | Ì  |          |              |           |   |                          |
| s                       |          | 1.2    | 7      |         | !        |  |            | <u> </u>   |          |              |           | 1.9   | 6.8                      |
| ssw                     | .5       | 7.7    | . 2    |         | 1        | 1  | i -        |  |          |              |           | 1241  | 5.0                      |
| sw                      |          | . 7    | 1,6    |         | i        |  |            | i  |          |              |           | 2.1   | 5,0<br>7,6<br>8,4<br>6,7 |
| wsw                     | 1,6      | 1.2    | 8.6    | 1.2     | <u> </u> |  | T T        | 1  |          | i -          |           | 12,6  | 8,4                      |
| w                       |          | 4.7    | 2:8    | 7       | <u> </u> |  |            | <b>i</b>   |          | 1            |           | 7 0,9   | 667                      |
| WWW                     | <b>-</b> | .7     | . 5    |         |          | 1  |            | 1  | T        | i            |           | 1,2   | 5,6                      |
| NW I                    |          |        |        |         | i        |  | T T        |  |          | T            |           |   |                          |
| NNW                     |          |        | .2     |         |          | T  | T T        |  |          |              |           | _ ,2  | 9.0                      |
| VARBL                   |          | 1.4    |        |         |          |  | Γ          | <b>1</b>   |          | i            |           | 1.4   | 5.2                      |
| CALM                    | ><       | ><     | > <    | > <     |          |  |            |  |          |              | > <       | 33,4  |                          |
|                         | 7.0      | 33,9   | 22.6   | 3,3     |          |  |            |  |          |              |           | 100-0   | 4,3                      |
|                         |          |        |        |         |          |  |            |  | TOTAL NU | MBER OF O'S  | ERVATIONS |   | 428                      |

USAFETAC AR 64 0-8-5 (OL-1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLET

#### SURFACE WINDS

TOTAL NUMBER OF OBSERVATIONS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

|                         | GENBURG     | GERMA         | NY GUN      | NERY R        | ANGE                                   | 68   | <del>`</del> 70 | <del></del> ,                                    | rtues       |  |             |          | PR   |
|-------------------------|-------------|---------------|-------------|---------------|--|--|-----------------|--|-------------|--|-------------|----------|--|
|                         |             | <del></del> - |             | <del></del> - | ALL A                                  | EATHER   |                 |  |             | <del></del>                                      |             |          | LL (LS T.)   |
|                         | -           |               |             |               | —————————————————————————————————————— | PROTTICE   |                 |  |             | _  |             |          |  |
| SPEED<br>(KNTS)<br>DIR. | 1 - 3       | 4-6           | 7 - 10      | 11 - 16       | 17 - 21                                | 22 - 27  | 28 - 33         | 34 - 40  | 41 - 47     | 43 - 55  | ≥56         | water so | MEAN<br>WIND<br>SPEED  |
|                         | 1,2         | . 8           | 1,2         | .2            |  | <del></del>                                      |                 | i  |             | <del></del>                                      |             | 3.4      | 5.5  |
| NNE                     | . 2         | . 6           |             |               |  | i  |                 | <del>i</del>                                     | <u> </u>    |  |             | .6       |  |
| NE                      |             | . 2           | , 8         |               |  | <del>                                     </del> |                 | <del>                                     </del> | i ——        | <del>                                     </del> |             | 1,0      | 7.4  |
| ENE                     | ,2          |               |             | ,4            |  | <del></del>                                      |                 |  | 1           | <del></del>                                      |             | 3,0      | 6,8  |
| E                       | .2          |               | 1.2         | .2            |  | <del> </del>                                     |                 |  | i           | Ī  |             | 2,8      | 5,4  |
| ESE                     | 1           |               | 1.0         |               |  | $\overline{1}$                                   |                 | 1  | T           | i i  |             | 1.4      | 7.6  |
| SE                      | .2          | :2            |             |               |  | 1  |                 | 1  |             |  |             | 1,2      | 7.2  |
| SSE                     | 1 ,4        |               |             |               |  | 1  |                 | Γ  | i           | i  |             | 1,4      | 7,6<br>7,2<br>4,0<br>5,9<br>6,8<br>8,7<br>9,1<br>8,3<br>7,0<br>4,4 |
| \$                      |             | 1.6           |             |               |  | ·  |                 |  |             |  |             | 2,4      | 5,9  |
| SSW                     |             | - 4           | . 6         |               |  | i  |                 | I  |             |  |             | 1,0      | 6,8  |
| SW                      | H.          |               | 2.0         |               |  | 21   |                 |  | Ī           |  |             | 3,8      | 8,7  |
| wsw                     | .4          |               | .8.4        | 7.2           |  |  |                 |  |             |  |             | 22,1     | 19,1   |
| w                       | 1.0         | 10.2          | 11.4        | 4,2           | 1.0                                    | ١  |                 |  |             |  |             | 27,9     | 8,3  |
| WNW                     | 1.4         | 1.6           | -212        |               |  |  |                 |  |             |  |             | 6.0      | 7,0  |
| NW                      | 4           | 2.2           | 1:2         | <u> </u>      |  | 2  |                 | <u> </u>   | L           |  |             | 4,0      | 16,3   |
| NNW                     | Ŀ           | 1.0           | 1.0         | .2            |  |  |                 |  |             |  |             | 2,8      | 6,6  |
| VARBL                   | 1.2         | 154           | <u> </u>    |               |  | ]  | L               |  | L           |  |             | 2,6      | 4,4  |
| CALM                    | $\geq \leq$ | $\geq \leq$   | $\geq \leq$ | $\geq \leq$   | $\geq \leq$                            | $\supset <$                                      | $\geq \leq$     | $\geq$   | $\geq \leq$ | $\geq \leq$                                      | $\geq \leq$ | 12,7     |  |
|                         | 4.          |               | 99'#        |               | • •                                    |  |                 | T  |             |  |             | 100.0    | A . S  |

USAFETAC FORM 0-8-5 (OL-1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLUTE

24199 STATION

#### SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

|                | ENBURG        |              |             |         |             |         |                | •       | EARS     |              |     |  | ONTH                 |
|----------------|---------------|--------------|-------------|---------|-------------|---------|----------------|---------|----------|--------------|-----|--|----------------------|
|                |               |              |             |         | ALL A       | ATHER   |                |         |          | <del></del>  |     | HOURS  | LL<br>(LS.T.)        |
|                | _             |              |             |         | CON         | OITION  |                |         |          | <del>_</del> |     |  |                      |
|                | _             |              |             |         |             |         |                |         |          | <del></del>  |     |  |                      |
| SPEED KNTS) LI | 1.3           | 4.6          | 7 - 10      | 11 - 16 | 17 - 21     | 22 · 27 | 28 - 33        | 34 - 40 | 41 - 47  | 48 - 55      | ≥56 | A STATE OF THE STA | MEAI<br>WINI<br>SPEE |
| <u> </u>       |               | <del>}</del> | <del></del> |         |             |         |                |         |          |              |     |  |                      |
| N h            |               | - 2          | <del></del> |         |             |         |                |         |          | <del>i</del> |     | 2,1  | 3                    |
| MRE !!         |               |              |             |         | <del></del> |         |                |         |          |              |     |  | 6                    |
| NE É           | ,2            | 1.9          | 3,1         |         |             |         |                |         |          |              |     | 7.0  | <del></del> 6        |
|                |               | 301          | 2,3         | . 8     | <del></del> |         |                |         |          |              |     | 10,3   | 7                    |
| ESE #          | 1,7           | 3,5          | 1.7         | 1,2     | .2          |         |                |         |          | <del></del>  |     | 3,7  | - 6                  |
| SE E           | - 6           | 1,2          |             | .2      |             |         |                |         |          |              |     | 2.1  | <del></del> -        |
| SSE II         | - 94          | 96           | 1.0         | . 2     |             |         |                |         |          |              |     | 1,2  | <del></del>          |
| S E            |               | 1.0          | 1.2         | , 2     | ,2          |         |                |         |          |              |     | 3,1  |                      |
|                | <del></del> i | 1.2          |             | . 8     | - • •       |         |                |         |          |              |     | 2,1  | :                    |
| ssw [          | .2            | 1.0          | 2,5         |         |             |         |                |         |          |              |     | 4,5  | 6<br>8<br>9          |
| sw<br>wsw      | - 06          | 1.2          | 6,6         | 2,3     |             |         | <u></u>        |         |          |              |     | 10,1   |                      |
| W              | 1.6           | 5.8          | 6.0         | 1,6     |             |         |                |         |          |              |     | 15,7   |                      |
| WNW            | - 4.8 -       | 1.9          | 2.1         |         |             |         | <del> </del> - |         |          | <del> </del> |     | 5,6  | <del>-</del>         |
| NW             | - 52          | 1.6          | 1:7         | 1.6     |             |         |                |         |          |              |     | 5,2  | 6<br>6<br>5<br>3     |
| WWW E          |               | - 4 P D      | .6          | .2      |             |         |                |         |          |              |     | 1.7  | - 4                  |
| /ARBL          | - <u>.6</u>   | 1.4          | • • •       |         | ├           |         |                |         |          |              |     | 2,7  |                      |
| CALM           |               |              |             |         |             |         |                |         |          |              |     | 16,7   |                      |
|                |               | 27.1         |             |         |             |         |                |         |          |              |     | 100,0  |                      |
|                | 9,9           | <u> </u>     | 34.7        | ĪĪeZ    | .4          |         |                |         | <u> </u> |              |     | 100.0  | 6                    |

USAFETAC FORM 0-8-5 (OL-1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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34199 STATION

## SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

|         | _    |       | <del></del> |             | ALL d   | EATHER   |             |             | <del></del> |  |      | A                       | (LST)                 |
|---------|------|-------|-------------|-------------|---------|----------|-------------|-------------|-------------|--|------|-------------------------|-----------------------|
|         | _    |       |             |             | cox     | DITION   |             |             |             |  |      |                         |                       |
| SPEED E | 1-3  | 4 - 6 | 7 - 10      | 11 - 16     | 17 - 21 | 22 - 27  | 28 - 33     | 34 - 40     | 41 - 47     | 48 - 55  | ≥ 56 | MILLION WE THEN I I I I | MEAN<br>WIND<br>SPEED |
| N i     | .3   |       | - 73        |             |         |          |             |             |             | <del></del>                                      |      | 1,1                     | 5                     |
| NNE 3   |      | - 2   |             | .2          |         |          |             | <del></del> |             | ī .  |      | 1,6                     | •                     |
| NE 1    | 1.1  | 1.0   | . 2         | ,2          |         |          |             |             |             | <del>                                     </del> |      | 2,5                     | -                     |
| ENE     | 1.5  | 5,1   | 3,4         | .8          |         |          |             |             |             | <del></del>                                      |      | 10,8                    | - 6                   |
| E i     | . 8  | 3,4   | 3,8         | .7          |         |          |             |             |             | <del></del>                                      |      | 8,7                     | 6                     |
| ESE B   | .7   | 2.0   | 7           | .5          |         |          |             | i           |             |  |      | 3,8                     | •                     |
| SE E    | ,3   | .7    | 5           |             |         |          |             |             |             | ii   |      | 1 1,5                   | 3                     |
| SSE E   | ,2   | 1.0   | - 3         |             |         |          |             |             |             |  |      | 1,5                     | -                     |
| S       | .5   |       |             |             |         |          |             |             |             | i  |      | , 5                     | 2                     |
| SSW B   |      | 1.1   | .3          | , <u>2</u>  |         |          |             |             |             |  |      | 1,6                     | - 6                   |
| sw 🖟    | _ ,7 |       | _ :2        | 2           |         |          |             |             |             |  |      | H 1,8                   | 3                     |
| wsw     | 1,6  | 5.4   | -444        |             |         | l        |             |             |             |  |      | 11,5                    | 6                     |
| w       | 3,1  | 1111  | 8.9         | 2.8         |         |          |             | <u> </u>    |             | <u> </u>   |      | 25,9                    | 6                     |
| WKW     | , 8  | 2,1   | 2.6         | .7          |         |          |             |             |             |  |      | 6,2                     |                       |
| NW !    | ,3   | 173   | 1,0         | , 5         |         | L        |             |             | <u></u>     | <u>l</u>   |      | 3,9                     | -7                    |
| WMW     | 1,0  | 111   | 1.5         | .3          |         | <u> </u> |             |             |             | <u>L</u>   |      | 3,9                     | 6                     |
| /ARBL   | 1.0  | .7    |             |             |         |          |             | L           |             | <u> </u>   |      | 2,3                     | 3                     |
| CALM    |      | ><    | $\geq < 1$  | $\geq \leq$ | ><      | $\geq <$ | $\geq \leq$ | $\geq <$    | ><          |  | ><   | 10.5                    | _                     |
|         | 15.4 | 37.9  | 29.0        | 7.2         |         |          |             | 1           |             |  | ``   | 100.0                   | 5                     |

USAFETAC FORM 0-8-5 (OL-1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLET

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

| SIEG                    | ENBURG | GERMAN | Y GUN  | ERY R   |         |             | <u>≟70</u>                                       |               | 15483    |          |     |        | UL          |
|-------------------------|--------|--------|--------|---------|---------|-------------|--|---------------|----------|----------|-----|--------|-------------|
|                         | -      |        |        |         | ALL H   | EATHER      | <del></del>                                      |               |          |          |     | NOU B1 | 11          |
|                         | -      |        |        |         | CO      | EGITICS     |  |               |          | <u>-</u> |     |        |             |
| SPEED<br>(KNTS)<br>DIR. | 1 - 3  | 4 - 6  | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27     | 28 • 33  | 34 - 40       | 41 - 47  | 43 - 55  | ≥56 | III.   | ,<br>\<br>S |
| N                       | .6     | 1.0    | .6     |         |         | 1           |  | i             | 1        |          |     | 2.1    | -           |
| NNE :                   |        | 1.3    | .1     |         |         | <u> </u>    | 1  | <u> </u>      |          |          |     | 1,6    | _           |
| NE                      | .6     |        | .4     |         |         | T           | i  | <del></del> - |          |          |     | 2,5    |             |
| ENE                     | 1.0    |        | 2.8    | .4      |         | ī           | <u> </u>   |               | i        | ;        |     | 7,2    |             |
| E                       | . 7    |        | 2.8    | 1.7     |         | i – –       | i i  | Ī             | i        |          |     | 8,3    |             |
| ESE                     | .4     |        | 143    |         |         | l —         |  | i             | i        |          |     | 4,2    |             |
| SE                      | -      | 1.0    | 4      |         |         | Ī           | ı  | <del></del>   | i -      | <u> </u> |     | 1,4    |             |
| SSE                     | 4      |        | .8     |         |         | Ī           | <del></del>                                      | i –           | 1        |          |     | 2,4    |             |
| S                       | .6     |        |        |         |         | ī           | <del>                                     </del> | T             | i        |          |     | 2,3    | _           |
| SSW                     | 24     |        | - ,6   | . 4     |         |             | <del>                                     </del> | 1             |          | 1        |     | 2,4    | _           |
| sw !                    | .1     | 2.0    | 2.3    | .1      | •       | <u> </u>    | i  | T             | 1        | i        |     | 4:3    |             |
| wsw                     | .3     |        | -4-0   | .6      |         | T           |  |               |          |          |     | 7,8    |             |
| w                       | 1.6    |        | 8.1    | 2.4     |         | T           |  |               |          |          |     | 19:4   |             |
| WXW                     | 1.0    |        | -461   | . 8     |         |             |  | 1             |          |          |     | 9,6    |             |
| NW                      | .3     |        | - 6    |         |         |             |  |               |          |          |     | 8.4    |             |
| NNW                     |        | 1.0    |        |         |         |             |  |               |          |          |     | 2 3 3  |             |
| VARBL                   | 1.1    | .3     |        |         |         |             |  |               |          |          |     | 1.4    |             |
| CALM                    |        |        | > <    | > <     | > <     |             | $\supset <$                                      |               |          |          |     | 18.2   |             |
|                         | 10.0   | 35.7   | 29'.4  | 6.5     |         | <del></del> |  | <u> </u>      | <u> </u> | T-=>     |     | 100.0  |             |

TOTAL NUMBER OF OBSERVATIONS

708

USAFETAC  $_{\rm AR..64}^{\rm form}$  0-8-5 (OL-1) previous editions of this form are obsolete

SIEGENBURG GERMANY GUNNERY RANGE

## SURFACE WINDS

TOTAL NUMBER OF OBSERVATIONS

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### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

|             | _        | _•    |          |         |         | <u>EATHER</u>                                    |               |         |  |             |                     |                 | LL (LIT.) |
|-------------|----------|-------|----------|---------|---------|--|---------------|---------|--|-------------|---------------------|-----------------|-----------|
|             | _        | ·     |          |         | <u></u> | HTEN   | <del></del> _ |         |  | <del></del> |                     |                 |           |
| SPEED SALES | 1.3      | 4-6   | 7 - 10 ; | 11 - 16 | 17 - 21 | ž2 27  | 25 · 33       | 34 - 40 | :<br>41 - 47                                   | 43 55       | <del>.</del><br>≥\$ | Electric street | WIN       |
| DIR.        | <u>i</u> | i     |          |         |         | :<br>  |               |         | <u>.                                      </u> |             |                     | · .             | SPEE      |
| N §         | .91      | 4,2   | 141      |         |         | :  |               |         |  |             |                     | 6,2             | 5         |
| NNE §       | .2       |       |          |         |         | !  |               |         |  |             |                     |                 | 5         |
| NE F        | 1.1      | 2.2   |          | .2      |         | i  |               |         |  |             |                     | 4,2             | 5         |
| ENE         | 1,8      | 1,7   | .6       |         |         |  |               |         | i  |             | -                   | 4,0             | 3         |
| E WANTE     | 1.4      | 4,3   | 1.4      |         |         |  |               |         |  |             |                     | 1,2             |           |
| ESE #       | .61      | 1.2   | 111      |         |         |  |               |         | <u> </u>                                       |             |                     | 2,9             | é         |
| SE          | .31      |       | .5       |         |         |  |               |         |  | : -         |                     | 1,4             | 3         |
| SSE         | . 2      |       | .2       |         |         |  |               |         | ]  |             |                     | 1721            | - 6       |
| S 🛔         | . 8      | 2.5   | _ 111    |         |         |  |               |         |  |             |                     | 4,3             | 3         |
| ssw         | .5       |       | 175      | .2      |         |  |               |         |  |             |                     | 2,9             | 6         |
| SW .        | ,6       | 111   | 1.6      | , 3     |         |  |               |         |  | 1           |                     | 3,9             |           |
| wsw         | 1.5      | 5.2   | 7,9      | . 2     |         |  |               |         |  |             | •                   | 14,0            | 6         |
| w           | 2:2      | 6.9   | 4.6      | . 5     |         | 1  |               |         |  |             |                     | 14,2            | . 5       |
| WNW         | 6        | 3.2   | 197      |         |         |  |               |         |  |             |                     | 1 375           | 5         |
| NW I        |          | .6    | . 6      |         |         |  |               |         |  | 1           |                     | 2,0             | 4         |
| NNW E       | 142      | 3     | .3       |         |         |  |               |         |  |             |                     | 1,3             | 3         |
| VARBL E     | 2.0      | 1.6   |          |         |         | 1  |               |         |  |             |                     | 3,4             | 5         |
| CALM        | ><1      | > < 1 | ><       | ><      | ><      | $\geq <$   |               | ><      | $\triangleright <$                             |             |                     | 18,6            |           |
|             | 16.0     | 37.8  | 25.1     | Ĩ.8     |         | <del>                                     </del> | <u> </u>      |         | <del></del>                                    | <del></del> |                     | 100-0           | -4        |

USAFETAC FORM 0-8-5 (OL-1) PREVIOUS COMOS'S OF THIS FORM AFT ORSOLES

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

| SIEG                      | <u>engurg</u> | GERHAN | <u>iy Guni</u> | ERY RA  |         |  | 70          | <del></del> - | 1417        |              |               |       | <u> </u>            |
|---------------------------|---------------|--------|----------------|---------|---------|--|-------------|---------------|-------------|--------------|---------------|-------|---------------------|
|                           |               |        |                |         |         | <u>ea?ker</u>                                    |             |               |             |              |               |       | 46371               |
|                           | _             |        |                |         |         | ertes  |             |               |             | <del></del>  |               |       |                     |
| 245<br>(10:42)<br>(20:42) | 1-3           | 4.6    | 7 - 10         | 11 - 16 | 17 - 21 | 2.7  | 23 - 23     | 34-40         | . 4 6       | 41 - 55      | ≥25           | *     | MEAN<br>ORW<br>CHEC |
| N -                       |               | .7     |                |         |         |  |             | <del></del>   | <u> </u>    |              |               | 1,2   | 4,4                 |
| NNE I                     | .7            | 145    |                |         |         |  |             | <del> </del>  |             |              |               | 2,2   | 4.0                 |
| NE I                      | .7            | 2.8    |                | .1      |         | <del></del>                                      |             |               | <u> </u>    | <del> </del> |               | 4,2   | 3,2                 |
| ENE                       | 2.2           | 3,3    | 1.2            | ,3      |         |  | ,           | *             |             |              | · <del></del> | 5.1   | 4,5                 |
| E :                       | 1.9           | 5.6    | 1.2            |         |         | <u> </u>   | -           | <del></del>   |             |              |               | 8,8   | 4,8                 |
| ESE                       | 1,0           | 2.5    |                |         |         | <del>:                                    </del> | *           | <del></del>   | <del></del> |              |               | 3,7   | 4.2                 |
|                           | 3             | 1:0    |                |         | -       | <del></del>                                      |             | <del></del>   | <del></del> |              |               | 2.    | 3.7                 |
| 322                       |               | 3      |                |         |         | <del></del> -                                    | <del></del> |               |             | +            |               |       | 3,6<br>4,5          |
|                           | 1.3           | 1.3    | . 6            |         |         | <del></del>                                      |             |               | ·           |              |               | 3,0;  | 4.3                 |
| SSW                       | . 6           | 1.6    | .6             |         |         | 1  | •           |               |             | -            |               | 2,8   | 3.3                 |
| Sw                        | .3            | 1:9    | 1.0            |         |         | <u> </u>   |             |               |             | <del>:</del> |               | 3.4   | 6,3                 |
| #2#,                      | 1.2           | 5,5    |                | 2.2     |         | Ī  |             |               | :           |              |               | 13,51 | 7.2                 |
| w                         | 272           | 5.6    | 3.3            | .7      |         |  | <u> </u>    | :             | 1           |              |               | 12,61 | 5.6                 |
| WNW                       | 1:2           | 1.9    | . 6            | .:      |         |  |             |               | 1           |              |               | 3,91  | 5,6                 |
| NW                        |               | , 6    | ,3             |         |         | 1  |             | 1             |             | 7            |               | 1,5   | 4,8                 |
| W/M                       | 7             | i7     |                |         |         | 1  | <u> </u>    | 1             | atom.       |              |               |       | 4,3<br>2,9          |
|                           |               |        |                |         |         | -  |             |               | <u> </u>    | ,            |               |       |                     |
| VARTE .                   | 2.5           |        |                |         |         | l  |             |               | <u>:</u>    | I            |               | 22,0  | _ Z,5               |

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# SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION. AND SPEED (FROM HOURLY OBSERVATIONS)

| 3159                    | ENBURG | STATION | HAME GUNI  | NEKY KA     |         |             | 70       | ,  | TEARS  |  |     | F     | CT                    |
|-------------------------|--------|---------|------------|-------------|---------|-------------|----------|--|--|--|-----|-------|-----------------------|
|                         |        |         |            | <del></del> | ALL W   | EATHER      |          |  |  | <del></del>                                      |     |       | (                     |
|                         |        |         |            |             | COM     | DITION      |          |  |  |  |     |       |                       |
| SPEED<br>(KNTS)<br>DIR. | 1 · 3  | 4-6     | 7 - 10     | 11 - 16     | 17 - 21 | 22 - 27     | 28 - 33  | 34 - 40  | 41 - 47  | 48 - 55  | ≥56 | *     | MEAN<br>WINE<br>SPEEC |
| N                       | • 7    | 1       |            |             |         | <del></del> |          | <del></del>                                      | -  |  |     | . 9   | 3                     |
| NNE                     |        | - 4     | - 1        |             |         | i ——        |          | <del> </del>                                     | 1  |  |     | ,61   | 6                     |
| NE                      | .9     | .7      | .6         |             |         | i           |          | i  | T  | ]  |     | 2,2   | 4                     |
| ENE                     | 2,4    | 3,0     | ,6<br>,3   | i           |         | i           | <u> </u> | i ——   | 1  |  |     | 5.6   | 4                     |
| E                       | 1,6    | 3,4     | 2.0        |             |         | 1           |          | İ  | Ī  | † <del>  </del>                                  |     | 6,1   |                       |
| ESE                     | 1.0    | 1,2     | , 9        |             |         | l           |          | i ———  |  |  |     | 3,1   | - 4                   |
| SE                      | . 6    | 1,3     | . 9        |             |         | <del></del> |          | <del>                                     </del> | i  |  |     | 2.8   | - 5                   |
| SSE                     |        | . 6     | <u>,9</u>  | i           |         | 1           |          | ì <b></b>  | 1  | <del>                                     </del> |     | :7    | 5                     |
| S                       | .1     | .7      |            | <u> </u>    |         | <b> </b>    |          |  | <del>                                     </del> |  |     | 1,0   | 4                     |
| ssw                     | .1     | .9      | .3         | 1           |         | <del></del> |          |  | <del> </del>                                     |  |     | 1,3   | 3                     |
| sw                      | .1     | ,6      | 1,3<br>7,6 | ,4          |         |             |          | İ  | t  |  |     | 2,5   |                       |
| wsw                     | 1.0    | 4,3     | 7.6        | 2.5         | .1      |             |          |  |  |  |     | 15,6  | 8                     |
| w                       | 1.5    | 7.4     | 5.6        | 3.3         |         |             |          |  |  |  |     | 17.8  | .7                    |
| WNW                     | . 1    | 1,3     | 1.2        |             |         |             |          |  |  |  |     | 2,7   | 6                     |
| NW                      | . 3    | .7      | 1          |             |         |             |          |  |  |  |     | 1,2   | - 4                   |
| NNW                     |        | 1.5     |            |             |         |             |          |  |  |  |     | 1,8   |                       |
| VARBL                   | 2.5    |         | - 1        |             |         | l           |          |  |  |  |     | 2,8   | 2                     |
| CALM                    | ><     | ><      | ><         | $\geq \leq$ |         |             | ><       |  |  |  | ><  | 31,2  |                       |
|                         | 13.4   | 28.3    | 20.8       | 5.2         | .1      | 1           |          | 1  |  | 1  |     | 100.0 | 4                     |

USAFETAC FORM 0-8 3 (OL-1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

| 199<br>STATION | SIEG                    | ENBURG | GERMAN      | Y GUNI      | YERY SA | NGE         | 68             | 70            |             | TARS        |             |             | <u>\</u>    | ONTH.                    |
|----------------|-------------------------|--------|-------------|-------------|---------|-------------|----------------|---------------|-------------|-------------|-------------|-------------|-------------|--------------------------|
|                |                         |        |             |             |         | ALL W       | <u>ea</u> ther | <del></del> - |             |             |             |             |             | (1.3.1.)                 |
|                |                         |        |             |             |         | cex         | NOITION        |               |             |             |             |             |             |                          |
|                | SPEED<br>(KNTS)<br>DIR. | 1 - 3  | 4 - 6       | 7 - 10      | 11 - 16 | 17 - 21     | 22 - 27        | 28 - 33       | 34 - 40     | 41 - 47     | 48 - 55     | ≥56         | *           | MF 1N<br>WIND<br>SPEED   |
|                | N                       | .2     | 1.0         | .2          |         |             | <del> </del>   | <del></del>   |             |             | <del></del> |             | 1.5         | 4.3                      |
|                | NNE                     | .5     | 1,0         |             | . 2     |             |                |               |             |             |             |             | 2.0         | 5.3                      |
|                | N2                      | .5     | 2.0         | 2.0         | . 2     |             |                |               |             |             | !           |             | 4,7         | 4.3<br>5.3<br>6.3<br>6.3 |
|                | ENE                     | 1,5    | 1.0         | 2.0         | .2      |             |                |               |             |             |             |             | 4,7         | 6,3                      |
|                | E                       | 2.2    | 4.2         |             | . 2     |             |                | <u> </u>      |             |             |             |             | 7,2         | 4,0                      |
|                | ESE                     | 1.5    | 2.5         | . 2         |         |             |                |               |             |             |             |             | 4,2         | 4,0                      |
|                | SE                      | . 7    | 167         | 2           |         |             |                |               |             |             |             |             | 2,7         | 4,5                      |
|                | SSE                     | 1.5    | 2.2         |             |         |             |                | i<br>         |             |             |             |             | 3,7         | 4.5<br>3.8<br>3.7        |
| -              | S                       | 2.0    | 2.5         |             |         |             |                |               |             |             | <u> </u>    |             | 4,5         | 3,7                      |
|                | ssw                     | . 2    | 163         |             |         |             | <u> </u>       | <u> </u>      | <u> </u>    |             |             |             | 1.7         | 4,0                      |
|                | sw                      | .2     | 1.2         | 2           |         |             |                |               |             |             |             |             | 1,7         | 4:7                      |
|                | wsw_                    | 7      | 5.2         | 5,9         | 3,5     | 7           | ļ. <u> </u>    | <u> </u>      |             |             |             |             | 16,1        | 6,5<br>6,2<br>4,7        |
|                | W                       | 2.0    | 7.2         | 5.4         | . 2     |             | L              | <u> </u>      |             |             |             |             | 14,9        | 6.2                      |
|                | WNW                     | 1.0    | 1.5         | 5           |         |             |                | <u></u>       |             | <u></u>     |             |             | 3,0         | 4.7                      |
|                | NW                      | . 5    | .5          |             |         |             |                |               |             |             |             |             | 1.0         | 3,5                      |
|                | NNW                     | 2      | .7          |             |         |             |                | <u></u>       |             |             |             |             | 1.0         | 4,3                      |
|                | VARBL                   | . 7    | .2          |             |         |             |                |               |             |             |             |             | 1.0         | 3,5<br>4,3<br>3,3        |
|                | CALM                    |        | $\geq \leq$ | $\geq \leq$ | $\geq$  | $\geq \leq$ |                |               | $\geq \leq$ | $\geq \leq$ | $\geq \leq$ | $\geq \leq$ | 1,0<br>24,5 |                          |
|                |                         | 16.3   | 36.4        | 17.2        | 4.7     | .7          |                |               |             |             |             |             | 100.0       | 4.4                      |

USAFETAC FORM 0-8 5 (OL-1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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TOTAL NUMBER OF OBSERVATIONS

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## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

| ON       | SIEG                | ENBURG | GERNAN STATION | Y GUNI   |         |         |               | -70         | ,            | LARS         | ***            |           | - 1      | EC.          |
|----------|---------------------|--------|----------------|----------|---------|---------|---------------|-------------|--------------|--------------|----------------|-----------|----------|--------------|
|          |                     | _      | ·              |          |         | ALL di  | EATHER        |             |              |              | _              |           | HOURS    | LL           |
|          |                     | _      |                |          |         | - COP   | DITION        |             |              |              |                |           |          |              |
|          |                     | _      |                |          |         |         |               |             |              |              | <del>-</del> - |           |          |              |
| (Ki      | EED<br>NIS)<br>DIR. | 1 - 3  | 4-6            | 7 - 10   | 11 - 16 | 17 - 21 | 22 - 27       | 28 - 33     | 34 - 40      | 41 - 47      | 48 - 55        |           | ***      | MEAN<br>WIND |
|          | N                   | . 5    |                |          | i       |         | <del></del> - | <del></del> |              |              | ;              |           | 7        | 3,           |
| <u> </u> | INE I               | . 5    | 7              | - 2      |         |         |               |             | <del> </del> | <del> </del> | :              |           | 1.4      | 4            |
|          | NE                  | .7     | 1.4            |          | i       |         |               | <u> </u>    | i            | İ ———        | 1              |           | 2,2      | 4            |
| E        | NE                  | ,5     | 3.6            | 2,2      |         |         | i             |             | i            | <del> </del> | <del></del>    |           | 6,2      | 6            |
|          | E                   | 2.4    | 3,6<br>7,4     | 1.4      | i       |         | 1             |             |              | i —          |                |           | 11,3     | 4            |
| E        | SE                  | 1.9    | 1.9            |          |         |         |               |             |              | I            |                |           | 3,8      | 6<br>4<br>3  |
|          | SE                  | _ ,5   | 2.4            |          |         |         |               |             | !            |              |                |           | 2,9      |              |
| S        | SSE                 | 5 ع    | 1.4            |          |         |         |               |             |              | I            |                |           | 1,9      | 3            |
|          | 5                   | , 2    | 1.2            |          |         |         |               |             |              |              |                |           | 3,4      | 3            |
| s        | sw                  |        | .7             |          | ,2      |         | L             |             |              |              |                |           | 1,2      | 8            |
|          | sw                  | , 5    | .7             | 3.1      | . 5     |         |               |             | <u> </u>     |              |                |           | 2,2      |              |
| <u> </u> | vsw                 | .7     | 3,4            | 3,1      | .2      | . 2     | L             | <u> </u>    |              | <u></u>      |                |           | 7,7      | 7            |
|          | w_                  | 1,2    | 6.2            |          |         |         | L             |             |              | L            |                |           | 7,4      | 4            |
| L W      | WW                  | 2      |                |          |         |         | <u> </u>      |             | <u> </u>     | L            |                |           | ,2       | 3            |
|          | 4M                  | . 2    |                |          |         |         | <u> </u>      |             | <u> </u>     | <u> </u>     | <u> </u>       |           | , 2      | 2            |
| N        | NW                  |        |                |          |         |         | <u> </u>      | <u> </u>    |              | <u> </u>     |                |           | <u> </u> |              |
| V/       | ARBL                | 1.7    | 5              |          |         | . 2     | L             | L           | <u> </u>     |              | L              |           | 2,4      | 4            |
| C.       | ALM                 | ><     | $\geq \leq$    | ><       | ><      | ><      |               |             | $\geq \leq$  |              |                | ><        | 40,8     |              |
|          |                     | 12.2   | 31.9           | 7'.7     | 1.0     | ,5      |               |             |              |              |                |           | 100.0    | 2,           |
|          |                     |        |                | <i>,</i> |         |         |               |             |              | TOTAL NU     | MBER OF OBS    | ERVATIONS |          | 41           |

USAFETAC FORM 0-8-5 (OL-1) previous editions of this form are obsolete

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## SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

| 9 Q<br>TION | 5:EGE                   | NBURG       | GERMAN       | Y GUN       | VERY R   | ANGE           | 69           | 70       |                | YEARS          |  |             | <u> </u>                               | AN   |
|-------------|-------------------------|-------------|--------------|-------------|----------|----------------|--------------|----------|----------------|----------------|--|-------------|--|--|
|             |                         |             |              |             |          | ALL W          | EATHER       |          |                |                |  |             | 0600                                   | ₩0800  |
|             |                         | <u>-</u> -  |              |             |          | çox            | OITION       | 0        |                |                |  |             |  |  |
|             | SPEED<br>(KNTS)<br>DIR. | 1 - 3       | 4-6          | 7 - 10      | 11 - 16  | 17 - 21        | 22 - 27      | 28 - 33  | 34 - 40        | 41 - 47        | 48 - 55  | ≥56         | ************************************** | MEAN<br>WIND<br>SPEED  |
|             | И                       |             |              |             |          | T              | T            | !        |                | <u> </u>       | 1  |             | ,                                      |  |
|             | NNE                     |             |              |             |          |                |              |          |                | i              | : 7  |             | i                                      |  |
|             | NE                      |             | 1.8          |             |          |                |              |          |                | <u> </u>       |  |             | 1,8                                    | 4.0  |
|             | ENE                     | 5,3         | 2.6          |             |          |                |              |          |                |                |  |             | 7,9                                    | 4.0<br>3.4<br>3.2<br>5.7<br>5.0<br>2.0<br>2.0<br>7.0<br>6.2<br>4.3 |
|             | E                       | 9.6         | 7.0          |             |          |                |              |          |                |                |  |             | 10,7                                   | 3,2  |
|             | ESE                     |             | 4.4          | 1.8         |          |                |              |          |                |                |  |             | 0,1                                    | 5,7  |
| L           | SE                      |             | . 9          | _           |          | L              |              | <u> </u> |                |                |  |             | ,9                                     | 5,0  |
| L           | SSE                     | . 9         |              |             |          |                | <u> </u>     |          | <u> </u>       | L              |  |             | 9                                      | 2.0  |
| L           | s                       | . 9         |              |             |          | <u> </u>       | <u> </u>     | <u> </u> | <u> </u>       | <u> </u>       | <u> </u>   |             | 9                                      | 2,0  |
| <u>_</u>    | ssw                     | . 9         | <b>└</b>     |             |          | <u> </u>       | ļ            | <u> </u> |                | <u> </u>       | <u> </u>   |             | , 9                                    | 2,0  |
| <b>L</b>    | sw                      |             |              | . 9         |          | <u> </u>       |              | <u></u>  | ļ              |                |  |             | 9                                      | 7.0  |
|             | WSW                     | 9           |              | 1.8         | , 9      |                | <del> </del> | <u> </u> | <u> </u>       | <u> </u>       |  |             | 5,3<br>7,9                             | 0.2  |
| <u> </u>    | w                       | 2.6         | 5,3          |             |          | <del> </del> - |              | <b> </b> |                | <u> </u>       |  |             | 7,9                                    | 4,3  |
| -           | WNW                     |             | 1.8          |             |          | <del> </del>   | <u> </u>     | <u> </u> |                | ļ <u>.</u>     | <u> </u>   |             | 1,8                                    | 2.0  |
|             | NW                      |             | <del> </del> |             |          | <b> </b>       | <del> </del> | ļ        | ļ              | <del> </del>   |  |             | 5                                      |  |
| -           | NNW                     |             |              |             |          | <del> </del>   | <del> </del> | <b>├</b> | <del> </del> - | <del> </del>   | <b> </b>   |             |  | <del></del>  |
| -           | VARBL                   | 9           | <del></del>  | <           | <b>-</b> | <del></del>    | $\leftarrow$ | k ->     | $\leftarrow$   | <del></del>    | <del>                                     </del> |             | ,9                                     | 2.0  |
| L           | CALM                    | $\geq \leq$ |              | $\geq \leq$ |          |                |              |          |                |                |  | $\geq \leq$ | 47.4                                   |  |
|             |                         | 21.9        | 25,4         | .656        | .9       |                |              |          |                |                |  |             | 100.0                                  | 2.2  |
|             |                         | *-          | -            |             |          |                |              |          |                | <b>707</b> but |  |             |  |  |

JSAFETAC FORM 0-8-5 (OL-1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLET

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

SIEGENBURG GERMANY GUNNERY RANGE 69-70

|                         |             |             |        |             | ALL É        | EATHER         |                | <del></del>    |              | <del></del>  |              | 0900  | 110                   |
|-------------------------|-------------|-------------|--------|-------------|--------------|----------------|----------------|----------------|--------------|--|--------------|-------|-----------------------|
|                         |             |             |        |             | cox          | DITION         |                |                |              |  |              |       |                       |
| SPEED<br>(KNTS)<br>DIR. | 1 - 3       | 4 - 6       | 7 - 10 | 11 - 16     | 17 - 21      | 22 - 27        | 28 - 33        | 34 - 40        | 41 - 47      | 48 - 55  | ≥56          | 1 %   | MEAN<br>WIND<br>SPEED |
| N                       |             |             |        |             |              |                |                |                |              | <u> </u>   |              |       |                       |
| NNE                     | Í           |             |        |             | <b>!</b> -   | !              | <u> </u>       | <u> </u>       | <b>!</b>     | <u> </u>   |              | !!    |                       |
| NE                      | <u>  </u>   |             |        |             | <b> </b> -   | <b> </b>       |                | <del> </del>   | <del> </del> | <del> </del> -                                     |              | 12.5  |                       |
| ENE                     | 5,4         | 7.1         |        |             | <del> </del> | <del> </del>   | <u> </u>       | <del>!</del> - | <b> </b> -   | <del>                                       </del> | <del> </del> | 12,5  | 3,                    |
| E E                     | 2.7         | 8.0<br>5.4  | 2.7    |             | <del> </del> | <del> </del> - |                | <del> </del>   | ├──          | <del></del>  |              | 8,9   | 4,                    |
| SE                      |             |             | 6./    |             | <del> </del> | <del> </del>   |                | <del> </del> - | ├            | <del> </del>                                       |              |       |                       |
| SSE                     | <del></del> |             |        |             |              | <del> </del> - | <del></del>    | <b></b> -      | <del> </del> |  |              |       |                       |
| s                       |             |             |        |             |              | i              |                |                | i            |  |              |       |                       |
| SSW                     | . 9         | - 19        | 1.8    |             | i            |                | 1              |                |              |  |              | 3,6   | 6                     |
| sw_                     |             | 9           | . 0    |             |              |                |                |                |              |  |              | 1.8   | 6                     |
| wsw                     |             | 2.7         | 2.7    |             |              |                |                |                |              |  |              | 5,4   | 6,                    |
| w                       | . 9         | 3.6         |        |             | ļ            |                |                | <u> </u>       | <u> </u>     | <u> </u>   |              | 4,5   | 6,<br>4,              |
| WNW                     |             |             |        |             | i            | <u> </u>       |                |                |              |  |              |       |                       |
| NV/                     |             |             |        |             | <del> </del> | ļ              | <b> </b>       | <u> </u>       |              |  |              |       |                       |
| WWW                     |             |             |        |             | ļ            | <del> </del>   | <del> </del> - | <u> </u>       | <b> </b> _   | <del> </del>                                       |              |       |                       |
| VARBL                   | .9          |             |        | <del></del> | <del></del>  | $\leftarrow$   | <del></del>    | <del></del>    | <del></del>  | <del></del>  |              | 50.9  | 2,                    |
| CALM                    |             | $\geq \leq$ |        | $\geq \leq$ |              |                |                |                |              |  |              | 20.9  |                       |
|                         | 11.6        | 28.6        | 8.0    |             |              |                |                |                |              |  |              | 100.0 | 2.                    |

USAFETAC  $\frac{\text{form}}{\text{JR 64}}$  0-8-5 (OL-1) previous editions of this form are obsolete

TOTAL NUMBER OF OBSERVATIONS

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

| SIEG                    | ENBURG      | GERMAN        | Y GUNA        | IERY RA     | INGE        | 59          | 70      |             | EARS      |             |           | <u>J</u>    | AN                 |
|-------------------------|-------------|---------------|---------------|-------------|-------------|-------------|---------|-------------|-----------|-------------|-----------|-------------|--------------------|
|                         |             |               |               |             |             | SATHER      |         |             |           |             |           | 1200        | -140               |
|                         |             |               |               |             | 5           | LASS        |         |             | -         |             |           | HOURS       | (L.S.T.)           |
|                         |             |               |               |             | 201         | OITION      |         |             |           |             |           |             |                    |
| SPEED<br>(KNTS)<br>DIR. | 1 · 3       | 4-6           | 7 - 10        | 11 - 16     | 17 - 21     | 22 - 27     | 28 - 33 | 34 · 40     | 41 - 47   | 48 - 55     | ≥56       | *           | MEA<br>WIN<br>SPEE |
| N :                     |             | <del>+</del>  |               | —— <u>—</u> |             |             |         | <del></del> | i         | <del></del> |           | <del></del> |                    |
| NNE                     |             |               |               |             |             | i           |         | i           | <u> </u>  |             |           |             |                    |
| NE                      |             | .9            | i             |             |             |             |         |             | <u> </u>  |             |           | . 9         | 5 4 5 3            |
| ENE                     | 2.7         | 10.0          | 9             |             |             | <u> </u>    |         |             | <u> </u>  |             |           |             | 4                  |
| E                       | 3,6         | 10.0          | 1.8           |             |             | i           |         |             |           |             | 1         |             | -4                 |
| ESE                     | 2.7         | . 9           | 1.8           |             |             |             |         | <del></del> | l         |             |           | 5,5         |                    |
| SE                      |             | 1.8           | <del></del> - |             |             | l — —       |         | :           |           |             | ľ         | 3,8         | 4                  |
| SSE                     | .9          |               |               |             |             | <del></del> |         | !           | <u>;</u>  |             |           | 9           | 3                  |
| S                       |             |               |               |             |             |             |         |             | 1         |             |           |             |                    |
| ssw                     |             |               | .9            |             |             | ļ           |         |             |           |             |           | , 9         | 9                  |
| sw                      |             |               | . 9           | - 9         |             |             |         |             |           |             |           | 1.8         | 10                 |
| wsw                     |             | 1.8           | 4.5           |             |             |             |         |             |           |             |           | 0.4         | - 1                |
| w                       |             | 6.4           | 3.6           |             |             |             |         |             |           |             |           | 10,0        |                    |
| WNW                     |             | 1.8           |               |             |             | <u></u>     |         |             |           |             |           | 1,8         | 107                |
| мм                      | . 9         |               |               |             |             | <u> </u>    |         |             |           |             |           | , 9         | 2                  |
| WMM                     |             |               |               |             |             |             |         |             |           |             |           |             |                    |
| VARBL                   | . 9         | 9             |               |             | L           | ļ           | L       |             |           |             |           | 1,8         |                    |
| CALM                    | $\geq \leq$ | $\geq \leq 1$ | $\geq \leq$   | $\geq \leq$ | $\geq \leq$ |             |         | $\geq \leq$ |           | ><          | ><        | 40,9        |                    |
|                         | 11.8        | 31.8          | 16.5          | .9          |             |             |         |             |           |             |           | 100.0       | 3                  |
|                         |             |               |               |             |             |             |         |             | TOTAL NUM | IBER OF OBS | ERVATIONS |             | 1                  |

USAFETAC FORM 0-8-5 (OL-1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

| SIEGEN                  | BURG     | GERMAN      | Y GUN  | NERY R      |             |           |             | · · · · · · · · · · · · · · · · · · · | 16752    |  |             | *      | AN<br>-1700              |
|-------------------------|----------|-------------|--------|-------------|-------------|-----------|-------------|---------------------------------------|----------|--|-------------|--------|--------------------------|
|                         | _        |             |        |             | ALE 7       | EATHER    |             |                                       |          |  |             | #00 es | (1.5 7 )                 |
|                         | <u>-</u> |             |        |             |             | FOITICE   |             |                                       |          |  |             |        |                          |
| SPEED<br>(KNTS)<br>DIR. | 1.3      | 4-6         | 7 - 10 | 11 - 16     | 17 - 21     | : 22 - 27 |             | !<br>. 34 - 40                        | 41 - 47  | 48 · 55                                      | ≥56         |        | MEAN<br>WIND<br>SPEED    |
| N                       |          | i           |        |             |             |           |             |                                       |          |  |             |        |                          |
| NNE :                   |          |             |        |             |             |           | ·           | -                                     |          |  |             |        |                          |
| NE ;                    |          | 2.4         |        |             |             |           |             | !                                     |          |  |             | 2,4    | 4,0                      |
| ENE :                   | 2.6      | 4.9         | 2.4    |             |             |           |             |                                       |          |  |             | 9,8    | 4,0<br>5,0<br>3,8<br>3,0 |
| E                       | 4.9      | 7.3         |        |             |             |           | -           |                                       | :        | -  |             | 12.2   | 3.8                      |
| ESE !!                  | 2.4      | 2.4         |        |             |             |           |             |                                       | -        |  |             | 4,9    | 3.0                      |
| SE ;                    |          |             |        |             |             |           | !           |                                       |          |  |             | 100    |                          |
| SSE !                   |          |             |        |             |             |           |             | i                                     |          |  |             | - :    |                          |
| \$ <u>4</u>             |          |             |        |             |             |           |             | : -                                   |          |  |             |        |                          |
| ssw i                   | <u>l</u> |             |        |             |             | <u> </u>  | ·           | <u>!</u>                              | i        | :  |             | Ĭ      |                          |
| sw i                    |          | 2.6         |        |             |             |           | <u> </u>    | 1                                     | <u> </u> | <u> </u>                                     | :           | 2,4    | 4.C                      |
| wsw                     |          | 4,9         | 7.3    | 2.4         |             |           | <u> </u>    | <u> </u>                              |          | <u>:                                    </u> | :           | 14,6   | 7.8                      |
| w                       | 4.9      | 7,3         |        |             |             | <u> </u>  | <u> </u>    | <u></u>                               | <u>!</u> | :<br>  |             | 12,7   | 4.0                      |
| WWW !!                  |          |             |        |             |             | <u> </u>  | <u>!</u>    | <u>!</u>                              | <u> </u> | <u> </u>                                     |             |        |                          |
| NW                      | 2:4      |             |        |             |             | <u> </u>  |             | <u> </u>                              | <u> </u> | !  | <u> </u>    | 2,4    | 3,0                      |
| NNW !                   |          |             |        |             |             | <u> </u>  | <u> </u>    | <u> </u>                              | <u>i</u> |  |             |        |                          |
| VARBL                   |          | <u></u>     |        | Ļ,          |             | Ļ         | <u> </u>    | <u>L</u>                              | <u> </u> | <u>L</u>                                     | Ļ           |        |                          |
| CALM !                  | $\leq $  | $\geq \leq$ | ><     | $\geq \leq$ | $\geq \leq$ |           | $\geq \leq$ |                                       |          | !><  | $\geq \leq$ | 39.0   |                          |
|                         | 17.1     | 31.7        | 9.8    | 2.4         |             |           | 1           |                                       |          | <u> </u>                                     |             | 100,0  | 3.0                      |

USAFETAC FORM 0-8-5 (OL-1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLET

14.50

# SUR# \CE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

| SIEGENBUR                       | STATE          | NY GUN   | NERY KI  |             | 69             | <u>-70</u>    |             | EARS           |             |             | •        | E9                    |
|---------------------------------|----------------|--|----------|-------------|----------------|---------------|-------------|----------------|-------------|-------------|----------|-----------------------|
|                                 |                |  |          | ALL I       | EATHER         |               |             |                |             |             | 0600     | (C37)                 |
|                                 |                |  |          | cor         | TOLY ION       |               |             |                |             |             |          |                       |
| SPEED F<br>(KNTS) 1 - 3<br>DIR. | 4-6            | 7 - 10   | 11 - 16  | 17 - 21     | 22 - 27        | 2S - 33       | 34 - 40     | , 41 - 47      | 48 - 55     | ≥56         | <b>4</b> | MEAN<br>WIND<br>SPEED |
| N E                             | <u> </u>       | <u> </u>   | .9       |             | <del>,</del>   | <del></del> - | <del></del> | <del></del>    | ·           |             | . 91     |                       |
|                                 | 9 1.8          | <del>i</del>                                     |          |             | <del></del>    |               |             |                |             |             | 2.7      |                       |
|                                 | 9 1.8          | <del>                                     </del> |          |             |                |               |             | <del>;</del> - |             |             | 2.7      | 3,<br>4,              |
| ENE 5                           | 8 4.5          |  |          |             | <del>i</del> - | <del></del>   | <del></del> | 1              | :           |             | 6,3      | 4,                    |
| E 5                             | 710            | <del>                                     </del> | ī        |             | <del></del> -  |               |             | <del>;</del>   | <del></del> |             |          |                       |
| ESE E                           | ~ <del> </del> | <del></del>                                      |          |             | <del></del> -  | -             | i           |                |             |             |          |                       |
| SE 2                            | <del></del>    |  | i .      |             | Ī              |               |             | i              |             |             |          |                       |
| SSE É                           | 1.8            | 1  | ı        |             | i              | !             | !           |                | ;           |             | 1.8      | 4,                    |
| S i                             | .9             | . 9  | i        |             | Τ              |               |             |                |             |             | 1.8      | 3,                    |
| SSW =                           |                |  |          |             |                |               |             |                |             |             | 4,5      | 4.                    |
| sw 📱                            | 9 3.6          | 1.8  | . 9      |             |                |               |             |                |             |             | 6,3      | 7.                    |
| wsw [                           | 3.6            | 11.7   | .9       | 1.8         | <u> </u>       |               |             |                | 1           |             | 18,0     | •                     |
| w 1 3                           | 6 3.6          | 2.7  | , 9      | 9           | <u></u>        |               | <u> </u>    | <u> </u>       | ļ           |             | 11,7     | 7,                    |
| WNW I                           | L              | <u> </u>   | <u>!</u> |             | <u> </u>       | <u> </u>      | <u> </u>    | <u> </u>       | <u>i</u> !  |             | <u> </u> |                       |
| NW I                            |                | <u> </u>   |          |             |                | L             | <u></u>     | <u> </u>       |             |             |          |                       |
| NNW E                           | 9              | <u> </u>   | <u></u>  |             |                | <u></u>       |             |                | <u> </u>    |             | , 9      | 4,                    |
| VARBL E                         | _i             | !  |          |             | <u> </u>       | <u>L</u>      | <u> </u>    | L              |             |             |          |                       |
| CALM                            | <              |  | ><       | $\geq \leq$ | $\geq \leq$    |               |             | $\geq \leq$    |             | $\geq \leq$ | 42,3     |                       |
| i .                             | 9 24.7         | 17:1   | 3.6      | 2.7         |                |               |             |                |             |             | 100.0    | 4.                    |

USAFETAC FORM 0-8-5 (OL-1) PREVIOUS EXTRINS OF THE FORM AND OBSORTE

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

| 34199<br>STATION | SIEG                    | ENBURG | GERMAN     | Y GUN       | HERY R  | ANGE           | 69           | -70         |             | TARS     |                |   | . <u></u> F | 2B                       |
|------------------|-------------------------|--------|------------|-------------|---------|----------------|--------------|-------------|-------------|----------|----------------|---|-------------|--------------------------|
|                  |                         | ~      |            |             |         |                | EATHER       |             |             |          |                |   | 0900        | )=1100                   |
|                  |                         | _      |            |             |         | CON            | D.TICE       |             |             |          | _ <del>_</del> |   |             |                          |
|                  | SPEED<br>(KNTS)<br>DIR. | 1 - 3  | 4-6        | 7 - 10      | 11 - 16 | 17 - 21        | 22 · 27      | 28 - 33     | 34 - 40     | 41 - 47  | 43 - 55        | ≥56   | ٠,          | MEAN<br>WIND<br>SPEED    |
|                  | NNE                     | 1.8    | .91        |             |         |                |              |             |             |          |                |   | 3,6         | 4.3                      |
| !                | NE                      |        | . 9        | 9           |         |                |              |             |             |          |                |   | 1,8         | 5,5                      |
|                  | 1                       | 1.8    | 6,3        |             |         |                |              |             |             |          |                |   | 6,3         | 3,0                      |
|                  | ESE<br>SE               |        | . 9        |             |         |                |              | _           |             |          |                |   | , 9         | 5,0                      |
|                  | SSE                     | . 9    |            |             |         |                |              |             |             |          |                |   | 1,8         | 3,5                      |
|                  | SSW_                    | 9      | 1.8<br>2.7 | - 29        |         | <u>'</u>       |              |             |             |          | <del> </del>   |   | 2,7         | 6,0                      |
|                  | sw                      | 9      | , 9        | 2.7         |         | 1 4 4          |              |             |             |          |                |   | 24,3        | 6,0<br>6,0<br>9,8<br>8,8 |
|                  | wsw<br>w                | 1.8    | 6,3        | 8,1         | 5,4     |                |              |             |             |          | <del> </del>   | ASSESSMENT OF THE PROPERTY OF | 10.8        | 8.8                      |
|                  | WNW                     | , 9    | . 9        | . 9         |         |                |              |             |             |          |                |   | 2,7         | 6.0                      |
|                  | NW<br>NNW               |        |            |             |         | ├— -—          | <del> </del> |             |             | <u> </u> | <b> </b> -     | <u> </u>  |             |                          |
|                  | VARBL                   | .9     |            |             |         | <del> </del> - |              |             |             |          | <del> </del>   |   | ,9          | 3,0<br>3,0               |
|                  | CALM                    |        | > <        | $\geq \leq$ | $\geq$  |                | $\geq \leq$  | $\geq \leq$ | $\geq \leq$ | $\geq$   | $\geq \leq$    | $\geq \leq$   | 31.5        |                          |
|                  |                         | 11.7   | 26.1       | 20:7        | 7.2     | 2:7            |              |             |             |          |                |   | 100.0       | 5.0                      |
|                  |                         |        |            |             |         |                |              |             |             | TOTAL NU | ABER OF OBS    | ERVATIONS_  |             | 111                      |

USAFETAC FORM 0-8-5 (OL-1) previous editions of this form are obsorbe

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## SURFACE WINDS

TOTAL NUMBER OF OBSERVATIONS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

| SIEG                    | ENBURG        | GERMA       | NY GUN     | NERY R   | ANGE_     | 69      | <u>-70</u>  |                  | YEARS          |  |                |       | FEB                   |
|-------------------------|---------------|-------------|------------|----------|-----------|---------|---|------------------|----------------|--|----------------|-------|-----------------------|
|                         | _             |             |            |          |           | EATHER  |   |                  |                |  |                |       | 0=140<br>0=140        |
|                         | -             |             |            |          | <b>co</b> | NOITION |   |                  |                |  |                |       |                       |
| SPEED<br>(KNTS)<br>DIR. | 1 - 3         | 4 - 6       | 7 - 10     | 11 - 16  | 17 - 21   | 22 - 27 | 28 - 33   | 34 - 40          | i              | : 48 - 55  | ≥56 area       | % :   | MEAN<br>WIND<br>SPEED |
| N I                     | . 9           |             |            |          |           |         |   |                  |                |  | <del></del>    | .9    | 3,                    |
| NNE :                   | i             | . 9         | 9          |          |           |         |   | :                |                | <del>;</del>                                     |                | 1.8   |                       |
| NE                      |               | , 9         | . 9        |          |           | Ī       |   | <del></del>      |                | •  |                | 1.8   |                       |
| ENE                     |               | 1,8         |            | 1        |           |         |   |                  | <del>: -</del> | :  |                | 1.5   | 4.                    |
| <u> </u>                | . 9           | 3,6         |            |          |           |         |   | <del></del>      | <del>:</del>   | <del></del>                                      |                | 4,5   | 3,                    |
| ESE                     | 1.8           | 4.5         | .9         |          |           |         |   |                  |                |  | <del></del>    | 7,2   | 4.                    |
| SE }                    |               |             | 9          |          |           |         |   |                  | <u> </u>       | <del></del> ;                                    |                | .9    | 8,0                   |
| SSE                     | 9             |             |            |          |           |         |   |                  |                | <del>                                     </del> | — <del></del>  | 2,7   | 4                     |
| _ S _ E                 | 1.8           | 2.7         | 9          | i        |           |         |   |                  |                | +  | <del></del>    | 5,4   | 4,3                   |
| ssw f                   |               |             |            | 2.7      |           |         |   |                  |                |  | <del> </del>   | 2,7   | <del></del>           |
| sw 🎚                    |               | . 9         | 2.7        | 1.8      |           |         |   |                  |                |  |                | 3,4   | ***                   |
| wsw 📗                   | 4.5           | 6.3         | 8.1        | _        |           |         |   |                  |                |  |                | 18.9  | 9,                    |
| w j                     | . 91          | 3.6         | 7.2        | .9       | 2.7       |         |   |                  |                |  |                | 13,3  | 9,0                   |
| WWW                     | 2.7           | 9           | 1.8        | 1        |           |         |   |                  |                |  | <del>-</del>   | 5.4   |                       |
| NW                      |               |             |            |          |           |         |   |                  |                |  |                |       | 5,                    |
| WMW                     |               |             |            |          |           |         |   |                  |                |  |                |       |                       |
| VAREL :                 | 9             | .9          | T          |          |           |         |   | ——-i             |                | <del></del>                                      |                | 1.8   |                       |
| CALM                    | $\geq \leq 1$ | $\geq \leq$ | $\geq < 1$ | $\geq <$ | > <       | ><      | > <   | ><               |                |  | $> \uparrow$   | 23,4  | 3,                    |
| 7                       | 15.3          | 28'.8       | 24.3       |          | 2.7       | ~       | , <del>, , , , , , , , , , , , , , , , , , </del> | ~ <del>~</del> } |                | $\sim$   | <b>←&gt;</b> ; | 100.0 | 5.2                   |

USAFETAC FORM 0-8-5 (OL-1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## SURFACE WINDS

TOTAL NUMBER OF OBSERVATIONS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

| 34199<br>STATION | SIEG                    | ENBURG        | GERMAN      | TA CHAP     | VERY R       | ANGE         | 69             | <b>⇒7</b> 0                                      |              | TARS           |              |             |       | EB                    |
|------------------|-------------------------|---------------|-------------|-------------|--------------|--------------|----------------|--|--------------|----------------|--------------|-------------|-------|-----------------------|
| 2121             |                         | -             |             |             |              | ALL W        | EATHER         |  |              |                | _            |             | 1500  | -1700<br>(L37.)       |
|                  |                         | -             |             | -           |              | cos          | *DITION        |  |              |                | <del></del>  |             |       |                       |
|                  | SPEED<br>(KNTS)<br>DIR. | 1.3           | 4-6         | 7 - 10      | 11 - 16      | 17 - 21      | 22 - 27        | 28 - 33  | 34 - 40      | ŀ              | 48 - 55      | ≥56         | * *   | MEAN<br>WIND<br>SPEED |
|                  | 11                      |               |             |             |              | 1            |                |  |              |                |              |             |       |                       |
|                  | NNE                     |               | 3.8         | i           |              |              | !              |  |              | <u> </u>       |              |             | 3,8   | 5.5                   |
|                  | NE                      | ·             | 1.9         | 3.8         |              |              |                |  |              | Ī              |              |             | 5,7   | 7.3<br>5.0            |
|                  | ENE                     | ř             | 1,9         |             |              | <u> </u>     |                |  |              |                | 1            |             | 1,9   | 5.0                   |
|                  | E                       | 1             | 3,8         | 1.9         |              |              |                | 1  |              | Ī              |              |             | 3,7   | 6.0                   |
|                  | ESE                     | ľ             | 1.9         |             |              |              |                |  | <u> </u>     |                |              |             | 1,9   | 5,0<br>7,3            |
|                  | SE                      | ļ.            | 1.9         | 3.8         |              | <u>i</u>     | 1              |  | i            | <u></u>        |              |             | 5,7   | 7,3                   |
|                  | SSE                     | į             | 1.9         |             |              | !            | 1              | <u> </u>   | !            | <u>!</u>       | 1            |             | 1,9   | 4,0                   |
|                  | S                       | 3.8           | 3.8         | 1.9<br>3.8  |              | <u> </u>     | <u> </u>       | ·<br>  | <u>!</u>     | <u> </u>       |              |             | 9,4   | 4,2                   |
|                  | ssw                     | F             |             | 3,8         |              | ļ            | <u> </u>       | <u> </u>   | <u> </u>     | <u>L</u> .     | !            |             | 3,8   | 9.0                   |
|                  | SW                      | 1.9           | 1.9         | 3.8         |              |              | <del>!</del>   | <u> </u>   | <u> </u>     | !              | <u> </u>     |             | 7,5   | <u> </u>              |
|                  | wsw                     | 1,9           |             | 3,7         | 3,           | <u> </u>     | <u> </u>       | <u> </u>   |              | <u> </u>       | <u> </u>     |             | 13,2  | 8,7                   |
|                  | w                       | 1.9           | 7.5         | 5.7         | _3.0         | Щ            | <del> </del>   | <u> </u>   | ļ            | ļ              | <u> </u>     |             | 18,9  | 7,7                   |
|                  | WWW                     | <del>  </del> |             | 3.8         |              | <del></del>  | <del>;</del>   | <u> </u>   | <del> </del> | <del> </del>   |              |             | 3,8   | 10.0                  |
|                  | NW                      | <del> </del>  |             |             |              | <del></del>  | <b>i</b>       | <del>                                     </del> | ļ            | ļ              |              |             |       |                       |
|                  | NNW                     | <u> </u>      |             |             |              | <del> </del> | <del>!</del> - | <del> </del> -                                   | <u> </u>     | <del> </del> - | <del> </del> |             |       |                       |
|                  | VARBL                   | 1.9           | 1.9         |             | <del>_</del> | <del></del>  | ~              | ر ب  | <del></del>  | <del> </del>   |              |             | 3,8   | 3,5                   |
|                  | CALM                    |               | $\geq \leq$ | $\geq \leq$ | $\geq \leq$  | <u> </u>     | $\leq$         |  | $\geq \leq$  |                | $\geq \leq$  | $\geq \leq$ | 13,2  |                       |
|                  |                         | 11.3          | 34.0        | 3450        | 7.           | 3            |                |  |              |                |              |             | 100.0 | 6.0                   |

USAFETAC FORM 0-8-5 (OL-1) PRIVIOUS EDITIONS OF THIS FORM AND ORSOSETT

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FRCM HOURLY OBSERVATIONS)

| SIEG                 | ENBURG      | GERMAN      | Y GUN        | HERY RA     | NGE         | 69               | 70          |             | 72183  |  |             | M  | AR                    |
|----------------------|-------------|-------------|--------------|-------------|-------------|------------------|-------------|-------------|--|--|-------------|--|-----------------------|
|                      | _           |             |              |             | ALL         | EATHER           |             |             |  |  |             | C600                                     | ÷0800                 |
|                      | <br>        |             |              |             |             | NOSTRON          |             |             |  |  |             |  |                       |
| SPEED (KNTS)<br>DIR. | 1.3         | 4-6         | 7 - 10       | 11 - 16     | 17 - 21     | 22 - 27          | 28 - 33     | 34 - 40     | 41 - 47  | 48 - 55  | ≥5%         | H 44 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | MEAN<br>WIND<br>SPEED |
| N :                  |             |             | . 8          |             |             | <del>i</del>     |             | ·           |  |  |             | . 8                                      | 7.0                   |
| NNE (                |             | 1.7         |              |             |             | T                |             | <del></del> | <del></del>                                      | 1  |             | 1,7                                      | 7.0<br>5.5<br>3.9     |
| NE                   | 3,3         | 4,2         | . 8          |             |             | <del></del>      |             | <del></del> | <del></del> -                                    |  |             | 8,3                                      | 2,9                   |
| ENE                  | . 8         | 9.2         | ,81          |             |             | i                |             |             | 1  | ·  |             | 10,8                                     | 4,9                   |
| E .                  | . 8         |             | . 8          |             |             | i                |             |             | İ  |  |             | 3.0                                      | 3,7                   |
| ESE                  |             |             |              |             |             | !                |             |             |  | I .  |             |  |                       |
| SE 🖟                 |             |             |              |             |             |                  |             |             |  |  |             | - <u> </u>                               |                       |
| SSE                  |             |             |              | į           |             |                  |             |             | i  |  |             |  |                       |
| S                    |             |             |              |             |             |                  |             |             |  | <u> </u>   |             | <u> </u>                                 |                       |
| ssw                  | . 8         |             |              |             |             | L                |             | <u></u>     | <u>!</u>   | <u>                                     </u>     |             | 1,7                                      | 4.0                   |
| sw                   |             |             | 1.7          |             |             | <u> </u>         |             | <u> </u>    | <u> </u>   | <u> </u>   |             | 10.8                                     | 8,0<br>6,3<br>6,5     |
| wsw                  | 3,3         | 2.5         | _5 <u>,0</u> |             |             | <u> </u>         |             | <u> </u>    | <u> </u>   |  |             | 10,0                                     | 0,3                   |
| w                    |             | 7.5         | 1.7          | 1.7         |             | <u> </u>         |             | <b>!</b>    | <u> </u>   | <u> </u>   |             | 10.8                                     | 0,5                   |
| WWW I                | :           | !           |              |             |             | <u> </u>         |             |             | <u> </u>   | <u> </u>   |             | ļ  |                       |
| NW !                 |             | <b></b>     |              |             |             | <u> </u>         |             | <u> </u>    | <del> </del> -                                   | <del>!</del> !                                   |             | <u> </u>                                 |                       |
| WXX                  |             |             |              |             |             | <del> </del>     |             | <u> </u>    | <del> </del> _                                   | <u> </u>   |             | <u></u>                                  |                       |
| VARSL                |             |             |              |             |             | <del></del>      | <u></u>     | <u> </u>    | <del>                                     </del> | <del>                                     </del> |             |  |                       |
| CALM                 | $\geq \leq$ | $\geq \leq$ | $\geq \leq$  | $\geq \leq$ | $\geq \leq$ | <u> &gt;&lt;</u> | $\geq \leq$ | $\leq$      |  |  | $\geq \leq$ | 45,3                                     |                       |
|                      | 9.2         | 29.2        | 11.7         | 1.7         |             | Γ -              |             |             |  |  | -           | 100.0                                    | 2,9                   |

## **SURFACE WINDS**

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

| -31EA          | enburg<br>— | STATION     | MI GUNE     | KEKI_K  |              | EATHER         |             |               | un       |              |           | 0900     | AR<br>-1100           |
|----------------|-------------|-------------|-------------|---------|--------------|----------------|-------------|---------------|----------|--------------|-----------|----------|-----------------------|
|                | -           |             |             |         |              | *>rtica        |             |               |          |              |           |          |                       |
| SPEED (KN75) E | 1 - 3       | 4-6         | 7 - 10      | 11 - 16 | 17 - 21      | :<br>: 22 - 27 | . 23 - 33   | 34 - 40       | 41 - 47  | ;<br>48 - 55 | ≥56       | , 1      | MLAN<br>CNIW<br>SF ED |
| N §            | 5           | :           |             |         |              |                | <del></del> | <del></del> . | ·        |              |           | . 8      | 3.0                   |
| NNE            | 2.5         | 2.5         | . 6         |         | :            |                |             |               | -        |              |           | 5,9      | 4.7                   |
| NE B           | 81          | 2,5         | . 8         |         |              | 1              |             |               | :        |              |           | 4.2      | 4.5                   |
| ENE 🖁          |             | 9.21        | 2.5         | . 8     | :<br>!       |                | :           | 1             | 1        |              |           | 12,6     | 6.4                   |
| E E            | .81         | 4.7         | 1:7         |         |              |                |             |               | :        |              |           | 9,5      |                       |
| ESE §          |             | 4.2         |             |         | <u> </u>     |                |             | 1             | 1        |              |           | 6,?      | 6.4                   |
| SE 🖁           | i           |             |             |         |              |                |             | 1             |          |              |           |          | \$ .0                 |
| SSE 5          |             |             |             |         | !            | <u> </u>       |             |               |          |              |           | <b>.</b> |                       |
| \$ \$          |             |             | 1.7         |         |              |                | :           |               | 1        |              |           | 1.7      | 8,0                   |
| SSW F          |             | 1.7         |             |         |              |                | !           | L             |          |              |           | 2.5      | 8,0<br>9,7            |
| sw [           |             | 1.7         |             |         |              | ·,             |             |               |          |              |           | 1,7      | 6,0                   |
| wsw            | 107         |             | 9.2         |         |              | i              | L           | L             | :        |              |           | 11.0     | 5.1                   |
| W              | 1.7         | 5.9         | 1.7         |         | <u></u>      | -              | İ           | <u></u>       |          | 1            |           | 9,2      | 5,5                   |
| WNW            |             | - !         |             |         |              |                |             | <u> </u>      | 1        |              |           | <u> </u> |                       |
| NW ₽           |             | :           |             |         | <u>!</u>     | <u> </u>       | <u> </u>    | <u> </u>      | 1        |              |           |          |                       |
| WWW            |             |             |             |         | <u> </u>     | *              | 1           |               | <u> </u> | <u>:</u>     |           |          |                       |
| VAREL 3        |             |             |             |         | <u></u>      | <u></u>        | <u></u>     | <u></u>       | 1        | <u></u>      |           | . 8      | 6,0                   |
| CALM           | $\geq \leq$ | $\geq \leq$ | $\geq \leq$ | ><      | <u>i&gt;</u> | $\bigcirc$     | $\leq$      |               |          |              | $\geq <$  | 31.9     |                       |
|                | 9.2         | 37.0        | 20.2        | 1.7     |              |                |             |               |          |              |           | 100.0    | (,2                   |
|                |             |             |             |         |              |                |             |               | TOTAL NU | MBER OF OSS  | ERVATIONS |          | 115                   |

USAFFIAC  $\frac{9000}{68.44}$  0-8-5 (Ot-1) PRIVIOUS SERTIONS OF THIS NORM AND OBSOSSITE

report both We

## SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

| SIEGE                         | NBURG         | LTRNAN        | Y GUNN                                 | ERY RAN      | GE_         | 69           | 70          |  | RARS             |  |             |       | <u> </u>                     |
|-------------------------------|---------------|---------------|--|--------------|-------------|--------------|-------------|--|------------------|--|-------------|-------|------------------------------|
|                               |               |               |  | <i>_</i>     | <b>LL</b> 3 | EATKER       | <del></del> |  |                  | _  |             | 1200  | -1460                        |
|                               |               |               |  |              |             | 310          |             |  |                  |  |             |       |                              |
| \$P\$(D) :<br>:047\$;<br>:032 | 1.2           | 4+5           | 7 - 1¢                                 | 11 - 15      | 17 2;       | 22 - 27      | 25 - 33     | <u></u>                                      | 41 - 7           | 43 - 55                                      |             |       | MINO<br>MINO<br>MINO<br>MINO |
| - ÷                           |               |               |  |              |             |              |             |  |                  |  |             |       |                              |
| NNE                           | 1.7           | 3.4           |  |              |             |              |             |  |                  |  |             | 5.2   | 4.2                          |
| ) P.S.                        | 9             | 2.6           |  |              |             |              |             |  |                  |  |             | 3.4   | 4.3                          |
| ENE                           |               | 11.2          | 5,2                                    | . 9          |             |              |             |  |                  |  |             | 17,2  | 4.2<br>4.3<br>6.1            |
| € 7                           | 1.7           |               | 2.6                                    | , 5          |             |              |             |  |                  |  |             | 10.3  | 5.3                          |
| ESE                           |               |               |  |              |             | -            |             | . –  |                  |  |             | Í     |                              |
| 5.5                           |               |               | 9                                      |              |             | -            |             |  |                  |  |             | . 9   | 7.0                          |
| <b>6</b> 2                    |               |               |  |              |             |              |             |  |                  | _  |             | •     |                              |
| s į                           |               | 1.7           | . 9:                                   |              |             |              |             |  |                  |  |             | 2,5   | 7.3                          |
| 22w ]                         |               |               | . 9                                    |              |             |              |             |  |                  |  |             | 9     | 8.0<br>8.0<br>9.2            |
| Sw                            |               | 9             | . 9                                    |              |             |              |             |  |                  |  |             | 177   | 8,0                          |
| Mi.A                          | . 9           | , 9           | 11.2                                   | 2,6          |             | ·<br>        |             |  |                  |  |             | 35,5  | 7.2                          |
|                               |               | 3,4           | 3,2:                                   |              |             |              |             |  | ·<br>———         |  |             | 9,5   | 8,2<br>5,3                   |
| WNW                           | :             | 1.7           | 9                                      |              |             | <u>:</u>     |             | <u>:</u>                                     | ·<br>            | -  |             | 2,5   | 5,3                          |
| NW I                          |               | :             |  |              |             | <u>.</u>     | ·<br>       |  | :                |  |             | 1     |                              |
| NAKA ]                        |               | <u> </u>      | 9                                      |              |             | <del>-</del> | <u></u>     | ·<br>  | ·                |  |             | 9     |                              |
| VALUE .                       |               | 2.6           | ئِــــــــــــــــــــــــــــــــــــ | <u> </u>     |             | <u>.</u>     |             | <u>.                                    </u> | <u>:</u>         | <u>.                                    </u> |             | 2,5   | 5,0                          |
| CATH }                        | $\geq \leq 1$ | $\geq \leq 0$ | $\geq \leq$                            | $\geq \leq $ | $\geq \leq$ | $\leq$       | $\geq \leq$ | <u>!&gt;&lt;</u>                             | <u>;&gt;&lt;</u> |  | $\geq \leq$ | 26.7  |                              |
| Batta                         | 5.2           | 33.6          | 29.3                                   | 5.2          |             |              |             | a dela                                       | - Trouse         |  |             | 100.0 | 5,1                          |

USAFETAC  $\frac{\text{square}}{22.44}$  0-8-5 (Ot-1) resvous antique or hist finer are disjoint

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115

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

|                         | FNBURG   | STAT/OR  | HANE     | 3.E.D.1  |          | EATHER   |             |  | itaps  |             |   |       | AR<br>-170                 |
|-------------------------|----------|----------|----------|----------|----------|--|-------------|--|--|-------------|---|-------|----------------------------|
|                         |          |          |          |          |          | LASS   |             |  |  |             |   | HOURS | (111)                      |
|                         | -        |          |          |          | 601      | FOITION  |             |  |  |             |   |       |                            |
| SPEED<br>(KNTS)<br>DIR. | 1 - 3    | 4-6      | 7 - 10   | 11 - 16  | 17 - 21  | 22 - 27  | 28 - 33     | 34 - 40  | 41 - 47  | 48 - 55     | ≥ | *     | MEAN<br>WIND<br>SPEED      |
| N                       |          | 2' 10    |          |          | <u> </u> | <del> </del> -                                   |             | <del> </del>                                     | <del> </del>                                     | 1           |   | 2.7   | 4.4                        |
| NNE                     |          | 2,7      | 1'.4     |          |          | <del>                                     </del> |             | <del></del>                                      | <del>                                     </del> | <u> </u>    |   | 4.1   | 5.<br>7.<br>6.<br>7.<br>5. |
| NE                      |          | 2.7      | 1,4      |          |          | T  |             | <del>                                     </del> | i ——   | <u> </u>    |   | 6,8   | 7.4                        |
| ENE                     |          | 12.3     | 8.2      | 104      |          | <u> </u>   | i ——        |  |  | i           |   | 21,9  | 6,1                        |
| E                       |          | 2.7      |          | 1.4      |          |  |             | i  | <b> </b>   | i           |   | 4,1   | 7.                         |
| ESE                     |          | 5.5      | 1.4      |          |          |  |             |  |  | i           |   | 6,8   | 5,1                        |
| SE                      | 1.4      |          |          |          |          |  |             |  |  | 1           |   | 1.4   | 3,0                        |
| SSE                     |          |          |          |          |          |  |             |  |  |             |   |       |                            |
| \$                      |          | 4.1      |          |          |          |  |             | <u></u>  |  |             |   | 4.1   | 5.                         |
| ss₩                     |          |          |          |          |          |  |             | <u> </u>   |  |             |   | 1     |                            |
| sw                      | 1        |          | _41      | <u> </u> |          |  |             |  |  |             |   | 4.1   | 8.                         |
| wsw                     | <u></u>  | <u> </u> | 9,6      | 2.7      |          | <u> </u>   | <u> </u>    | <u> </u>   | <u> </u>   |             |   | 12,3  | 10.                        |
| w                       | 144      |          | 2,7      | ļ        | ļ        | ļ  |             | ļ  | <del> </del>                                     |             |   | 4.1   | 8,<br>10,<br>7,            |
| WNW                     | ļ        | 1.4      | 1.66     |          |          | ļ  |             |  | <u> </u>   |             |   | 2,7   | 0,1                        |
| NW                      | <u></u>  | <u> </u> | <u> </u> |          | ļ        | <del> </del>                                     | <b></b> _   | ļ <u> </u>                                       | ļ  | <b> </b>    |   |       |                            |
| NNW                     | <u></u>  |          |          |          |          | <b></b>  | ļ           | ļ  | ļ  | <u> </u>    |   |       |                            |
| VARBL                   | <b> </b> | 2.7      |          | <b>_</b> |          | <del></del> _                                    | <del></del> | <del></del>                                      | <del></del> _                                    |             |   | 2,7   | 5,                         |
| CALM                    |          |          |          |          |          |  |             |  |  | $\geq \leq$ |   | 21,9  | a talahayar                |
|                         | 2,7      | 37.0     | 32,9     | 5.5      |          | 1  |             | 1  | }  |             |   | 100.0 | 5.                         |

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# SURFACE WINDS

TOTAL NUMBER OF OBSERVATIONS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

| SIEG                    | ENBURG   | GERMAN | Y GUN  | ERY RA  | NGE_    | 68   | .70  |  | rears .        |               |             | ×      | PR                    |
|-------------------------|----------|--------|--------|---------|---------|--|--|--|----------------|---------------|-------------|--------|-----------------------|
|                         |          |        |        |         | ALL W   | EATHER   |  |  |                |               |             | 0600   | ₩ <u>080</u> C        |
|                         |          |        |        |         | cox     | IDITION  |  |  |                | <u> </u>      |             |        |                       |
| SPEED<br>(KNTS)<br>DIR. | 1 - 3    | 4 - 6  | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27  | 28 - 33  | 34 - 40  | 41 - 47        | 48 - 55       | ≥56         | *      | MEAN<br>WIND<br>SPEED |
| N                       |          | 7      | .7     |         |         |  |  |  |                |               |             | 1,5    | 8.0                   |
| NNE                     |          |        |        |         |         | <u> </u>   |  |  |                |               |             |        |                       |
| NE                      |          |        |        |         |         | <u> </u>   | <u> </u>   |  | <u> </u>       |               |             |        | 6,0<br>4,6<br>5,7     |
| ENE                     | 7        | `Q     |        |         |         |  | <u> </u>   |  |                | <u>  </u>     |             | 3,7    | 4.6                   |
| E                       | i        |        | 7      |         |         | <u> </u>   | <u> </u>   | ļ  | <u> </u>       | !             |             | 2,2    | 5,7                   |
| ESE                     |          | 7      |        |         |         | <del> </del>                                     |  | <u> </u>                                       |                | <b> </b>      |             | .7     | 5.0<br>2.0<br>3.0     |
| SE                      |          |        |        |         |         | <del> </del>                                     | <u> </u>   | ļ. <u>.                                   </u> | <u> </u>       |               |             | .7     | 2.0                   |
| SSE<br>S                | 7        | 7      | - +=   |         |         | <del> </del>                                     | <u> </u>   |  | ļ              |               |             | 1.5    | 3,0                   |
|                         | <u> </u> | 2:2    | 7      |         |         | <del> </del>                                     | <del> </del>                                     | <del> </del>                                   | <del> </del> - | <del>  </del> |             | 3.0    | 5,5                   |
| ssw                     |          |        | 3,0    |         |         | <del>                                     </del> | <del> </del>                                     | <del> </del>                                   | <del> </del>   | <del>  </del> |             | 4.4    | 8,7                   |
| wsw                     |          | 5.9    | 3.0    |         |         |  | <del> </del>                                     | <del> </del>                                   | <del> </del>   | <u> </u>      | <del></del> | 19.3   | 8.0                   |
| w                       | .7       | 13.3   |        |         |         | <del> </del>                                     | <del>                                     </del> | <del> </del>                                   | <del> </del>   |               |             | 26.7   | 9.0<br>6.8<br>5.7     |
| WNW                     | 1.5      | 1.9    |        | .7      |         |  | <del> </del>                                     |  | i              |               |             | 4.4    | 5.7                   |
| NW                      | 7        | 2.2    |        |         |         | i  |  |  |                |               |             | 2.0    | 3.8                   |
| MMW                     |          | . 7    |        |         |         |  | i  |  |                |               |             | :7     | 3,8<br>6.0            |
| VARBL                   |          |        |        |         |         |  | 1  |  | i              |               |             | -      |                       |
| CALM                    |          | >      | > <    | > <     | >       |  | $\boxtimes$                                      |  | $\supset$      |               | > <         | 27,4   |                       |
|                         | 5.2      | 36.1   | 25,9   | 7.6     |         |  |  |  |                |               |             | 200'.0 | 5.1                   |

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## SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

| SIEG                   | ENBURG | GERMAN | YY GUND | HERY KA     | NGE     | 680          | <u>•70</u>   |              | EARS   |  |             | - <u>-                                  </u> | ONTH                  |
|------------------------|--------|--------|---------|-------------|---------|--------------|--------------|--------------|--|--|-------------|--|-----------------------|
|                        |        |        |         | <del></del> | ALL W   | EATHER       |              | <del></del>  |  | ,1994 <u>.</u>                                   |             | 0900   | )=1100                |
|                        |        |        |         |             | сож     | DITION       |              |              |  | <del>-</del>                                     |             |  |                       |
| SPEED<br>KNTS)<br>DIR. | 1 - 3  | 4-6    | 7 - 10  | 11 - 16     | 17 - 21 | 22 - 27      | 28 - 33      | 34 - 40      | 41 - 47  | 48 - 55  | ≥56         | 2.   | MEAN<br>WIND<br>SPEED |
| N                      | 2.2    | .7     |         |             |         |              |              |              | <u> </u>   | <del>  </del>                                    | <del></del> | 2,9  | 2,5                   |
| NNE                    |        |        |         |             |         |              |              |              |  | <del></del>                                      | 1           |  |                       |
| NE                     |        |        |         |             |         |              |              |              |  |  |             |  |                       |
| ENE                    |        | 1.4    | .7      | .7          |         |              |              |              |  |  |             | 2,9  | 8,3                   |
| ε !                    |        |        | 1.4     | .7          |         |              |              |              |  |  | -           | 2,2  | 9,3<br>8,0<br>8,0     |
| ESE                    |        |        | 2.2     |             |         | <u> </u>     | <u> </u>     | <u> </u>     |  |  |             | 2,2  | 8,0                   |
| SE                     |        | 7      | 1.4     |             |         | <u> </u>     | <u> </u>     |              | <u> </u>   | <u> </u>   |             | 2,2  | 8.0                   |
| SSE                    |        |        | , _     |             |         | <del> </del> | <b></b>      |              | <u> </u>   | <u> </u>   |             | 3.0  |                       |
| 5                      |        | 100    |         |             |         | <del> </del> | <u> </u>     |              | <u> </u>   | <del> </del>                                     | <del></del> | 2,2  | 3,7                   |
| ssw                    |        | .7     | 2/2     |             |         | <del> </del> | ¦            | <u> </u>     |  | <del> </del>                                     |             |  | 7.0<br>9.0<br>9.2     |
| sw<br>wsw              | 1.4    | 5.8    | 10.9    | 9,4         | 7       | <del> </del> | <del> </del> | ļ            | <del></del>                                      | <del> </del>                                     |             | 3,6  | 7.0                   |
| WSW                    | .7     | 10.1   | 12.3    | 3.9         | 2.2     | <del> </del> | <del> </del> | <del> </del> | <del> </del> `                                   | <del> </del>                                     |             | 27,5<br>29,0                                 | 8.7                   |
| WNW                    | 2.2    |        | 2.9     | - 213       |         | i            | <del> </del> |              | <del> </del> -                                   | ╁╾╌═┪  |             | 5,1  | 3.4                   |
| NW                     | 7      | 2.9    |         |             |         | <del> </del> | <del> </del> | <del> </del> | <b> </b> -                                       | <del>                                     </del> |             | 5,8  | 5,4<br>5,6            |
| NNW                    |        | 1.4    |         |             |         |              |              |              | <del>                                     </del> | i  |             | 3,6  | 6.8                   |
| VARBL                  | .7     | . 7    |         |             |         |              |              |              |  | <del> </del>                                     |             | 1,4  | 4,5                   |
| CALM                   |        | >      | > <     | > <         | > <     | >            |              |              | ><   |  |             | 8.7  |                       |
|                        | 8.0    | 26.1   | 39'.9   | Ĩ4.5        | 2.9     |              |              |              | <u> </u>   |  |             | 100,0  | 7.3                   |

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## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

|                         |       |     |             |             | INGE    |         |          | ·       | EARS   |  |       |             | ONTH                  |
|-------------------------|-------|-----|-------------|-------------|---------|---------|----------|---------|--|--|-------|-------------|-----------------------|
|                         | _     |     |             |             | للاسطط. | EATHER  |          |         |  |  |       | 1200        | -140                  |
|                         |       |     |             |             |         |         |          |         |  |  |       |             | ,                     |
|                         | _     |     |             |             | cox     | DITION  |          |         |  |  |       |             |                       |
|                         |       |     |             |             |         |         |          |         |  |  |       |             |                       |
|                         |       |     |             |             |         |         |          |         |  |  |       |             |                       |
|                         | г     |     | <del></del> |             |         |         |          |         |  | <del>,                                    </del> | 1     | <del></del> |                       |
| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4-6 | 7 - 10      | 11 - 16     | 17 - 21 | 22 - 27 | 28 - 33  | 34 - 40 | 41 - 47  | 48 - 55  | ≥56   | * !         | MEAN<br>WINE<br>SPEEE |
| N                       | 1.5   | 1.5 | 1.5         | .7          |         |         |          |         |  | <del>                                     </del> |       | 5,1         | 6,                    |
| NNE                     | . 7   | .7  |             |             |         |         |          |         |  | <u> </u>   |       | 1,5         | 4                     |
| NE                      |       |     | 2.2         |             |         |         |          |         |  |  | ,     | 2.2         | 4                     |
| ENE                     |       |     |             |             |         |         |          |         |  | ,  | 1     |             |                       |
| ε                       |       | 2.2 | 1,5         | <del></del> |         |         | I        |         | i  | <b> </b>   | 1     | 3,6         | 6                     |
| ESE                     |       |     | 1.5         |             |         |         |          |         |  |  | 4     | 1.5         | 9                     |
| SE                      |       |     | .7          |             |         | i       |          |         | <u> </u>   | 1  |       | .71         | 10                    |
| SSE                     |       | 2.9 |             |             |         |         |          |         | <del>                                     </del> |  | - 7   | 2,9         | 5                     |
| \$                      |       |     | . 7         |             |         |         | I        |         |  |  | Į.    | .77         | 7                     |
| ssw                     |       | 1.5 | 1.5         |             |         |         |          |         | T  |  | Į.    | 2,9         | 6                     |
| sw                      |       | 1.5 | 2.2         | .7          |         |         |          |         |  |  | ņ     | 4.4         | 7                     |
| wsw                     |       | 8.0 | 5.1         | 9.5         |         |         |          |         |  |  | į     | 22,6        | 9                     |
| w                       | 1.5   | 9.5 | 8.8         | 5.8         | 1.5     |         |          |         |  |  | · ·   | 27.0        | 9                     |
| WNW                     | 1.5   | 2.2 | 2.2         | 1.5         |         |         |          |         |  |  | rtars | 7,3         | .7                    |
| NW                      |       | .7  | 2.2         |             | .7      |         |          |         | i  |  | J. T. | 3,6         | 10                    |
| MMM                     |       | 2,2 | 7           |             |         |         | <u> </u> |         |  |  |       | 2,9         | 6                     |
| VARBL                   | 2.2   | 2.2 |             |             |         |         |          |         |  |  | T.    | 4:4         | 4                     |
| INCOL                   |       |     |             |             |         |         |          |         |  |  |       | 6.6         |                       |

TOTAL NUMBER OF OBSERVATIONS

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## SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

| 34199<br>STATION | SIEG                    | ENBURG      | GERMAN      | YY GUN! | VERY R  | ANGE        | 68   | 70           |              | EARS   |                |  |       | PR                                      |
|------------------|-------------------------|-------------|-------------|---------|---------|-------------|--|--------------|--------------|--|----------------|--|-------|---|
| 37A I N N        |                         |             |             |         |         | A 1 1 ta    | EATHER   |              |              |  |                |  |       |   |
|                  |                         | -           |             |         |         | Abb i       | EATHER   |              |              | ·  | <del></del>    |  | HOURS | 1700                                    |
|                  |                         | _           |             |         |         | COM         | **C'TIGI   |              |              |  |                |  |       |   |
|                  | SPEED<br>(XNTS)<br>DIR. | 1 - 3       | 4 - 6       | 7 - 10  | 11 - 16 | 17 - 21     | 22 - 27  | 28 - 33      | 34 - 40      | 41 - 47  | 48 - 55        | ≥56  | *     | MEAN<br>WIND<br>SPEED                   |
|                  | N                       | -           | <del></del> | 3,4     |         |             | ;  |              | <u> </u>     | -  |                | <del>}</del>                                     |       |   |
|                  | NNE                     | 1.1         | 1.1         |         |         |             | <del> </del> -                                   |              | <del> </del> | <del></del>                                      |                | <del>                                     </del> | 1,1   | 6.5<br>4.0<br>9.0                       |
|                  | NE                      |             |             | 1.1     |         |             | <del>!</del>                                     | <u></u>      | <del></del>  |  | <del></del>    | <del> </del>                                     | 1.1   | - 4.0<br>4.0                            |
|                  | ENE                     |             | 1.1         | 3,4     | 1.1     | <del></del> | <del> </del>                                     | <del> </del> | <del> </del> | <u> </u>   | <del>;</del> - | <del> </del>                                     | 3.7   | 7,6                                     |
|                  | E                       | 1.1         | 1.1         | 1:1     | •••     |             | <del> </del>                                     | <del></del>  | <del> </del> | <del>                                     </del> | <del> </del>   | <del></del>                                      | 3.4   | 4,7                                     |
|                  | ESE                     |             | 1,1         |         |         |             | <del> </del>                                     |              | <del> </del> | <del></del>                                      | <del>!</del> - | <del></del>                                      | 1,1   | 5.0                                     |
|                  | SE                      |             |             |         |         |             | <del>                                     </del> | <del></del>  | <del></del>  | <del>}</del> -                                   | <del> </del>   | 1 4  |       |   |
|                  | SSE                     | 1.1         |             |         |         |             | <del>                                     </del> |              | <u>;</u>     | ì———   | <del>i</del>   |  | 1.1   | 2.0                                     |
|                  | \$                      |             | 3,4         | 171     |         |             | <del>                                     </del> |              | <del></del>  |  | <del></del>    | 1  | 4.6   | 2.0<br>6.3                              |
|                  | SSW                     | i           |             |         |         |             | i  |              |              | i — — —  |                |  | i     |   |
|                  | sw                      |             |             |         | 2,3     |             | i  |              |              |  | <del> </del>   |  | 2,3   | 11.5                                    |
|                  | wsw                     |             | 4.6         | 9.2     | 3.4     |             |  |              |              |  | T              | ì  | 17,2  | 8,9                                     |
|                  | W                       | _1.1        | 6.9         | 13.8    | 8.0     | 1.1         |  |              |              |  |                |  | 31,0  | 9,4                                     |
|                  | WWW                     |             | 3,6         | 3,4     | 1.1     |             |  |              |              |  |                |  | 3,0   | 8,4                                     |
|                  | _ NW                    |             | 2,3         |         |         |             |  |              |              |  |                | 1  | 2,3   | 3,0                                     |
|                  | WMM                     |             | 2.3         | 111     | 1.1     |             |  |              |              |  |                |  | 4,6   | 7,3                                     |
|                  | VARBL                   | 2.3         | 3.4         |         |         |             | L  |              |              |  |                |  | 5,7   | 11.5<br>8.9<br>9.4<br>8.4<br>5.0<br>7.3 |
|                  | CALM                    | $\geq \leq$ | $\geq \leq$ | ><      |         | $\geq \leq$ | $\geq \leq$                                      | $\geq \leq$  |              | $\geq \leq$                                      |                |  | 5,7   |   |
|                  |                         | 5.9         | 31.0        | 37,9    | 17.2    | 161         |  |              |              |  |                | Samuel .   | 100.0 |   |

TOTAL NUMBER OF OBSERVATIONS

87

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## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

| _51EG                   | NBURG                   | GERMAN         | Y GUN         | ERY_R         | NGE            | 69           |          | <del></del> , | TARS          |               |                         | A            | PR                    |
|-------------------------|-------------------------|----------------|---------------|---------------|----------------|--------------|----------|---------------|---------------|---------------|-------------------------|--------------|-----------------------|
|                         | -                       |                |               | <del></del>   | ALL W          | EATHER       |          |               | ···           |               |                         | 1800         | <u>~2000</u>          |
|                         |                         |                |               |               | CON            | DITION       |          |               |               | <u> </u>      |                         |              |                       |
| SPEED<br>(KNTS)<br>DIR. | 1 - 3                   | 4-6            | 7 - 10        | 11 - 16       | 17 - 21        | 22 - 27      | 28 - 33  | 34 - 40       | 41 - 47       | 48 - 55       | ≥56                     | ***          | MEAN<br>WIND<br>SPEED |
| N I                     |                         |                |               |               |                |              |          |               |               |               |                         | <del></del>  |                       |
| NNE                     |                         |                |               |               |                |              |          |               |               |               |                         | !            |                       |
| NE !                    |                         | <u>i</u>       |               |               |                |              |          |               |               |               |                         |              |                       |
| ENE                     |                         | <u> </u>       | 20.0          |               |                |              |          |               |               |               |                         | 20,0         | 8,0                   |
| Ε                       |                         | <u> </u>       |               |               |                |              |          |               |               |               |                         | !            |                       |
| ESE i                   |                         | LI             |               |               |                |              |          |               |               |               |                         |              |                       |
| SE                      |                         |                | 20.0          |               |                |              |          |               |               |               |                         | 20,0         | 7,0                   |
| SSE                     |                         |                |               |               |                |              |          |               | ļ             |               |                         | <u> </u>     |                       |
| S                       |                         | <del> </del>   |               |               |                | ļ            | <u> </u> |               | <u> </u>      |               |                         | <u> </u>     |                       |
| ssw                     |                         | <del> </del> - |               |               |                |              |          |               | <del> </del>  | <u> </u>      |                         | <u> </u>     |                       |
| sw                      |                         | <del>  </del>  |               |               |                | <u> </u>     |          |               |               |               |                         | 30.0         | 7.0                   |
| wsw                     |                         | ├              | 20.0          |               |                | <b></b> -    |          |               | <b>!</b>      | <del> </del>  |                         | 20.0         | 7.0                   |
| W                       |                         | <del>  </del>  |               |               |                |              |          |               | <del> </del>  |               |                         | <del></del>  |                       |
| WWW                     |                         | 20.0           |               |               |                | <del></del>  |          |               | <del></del>   | <del>  </del> |                         | 20.0         | 4,0                   |
| WWW                     |                         | 20.0           |               |               | <del> </del> - | <del> </del> |          |               | <del> </del>  | <del> </del>  |                         | -            | 7.0                   |
| VARBL                   |                         | <del> </del>   |               |               |                |              |          |               | <del> </del>  | <del>  </del> |                         | <del> </del> |                       |
| CALM                    | $\overline{\mathbf{x}}$ |                | $\overline{}$ | $\overline{}$ | >              | <b>X</b>     | >>       | <b>\</b>      | $\overline{}$ |               | $\overline{\mathbf{x}}$ | 20.0         |                       |
|                         | <u> </u>                | 20.0           | 60'.0         |               |                | <u> </u>     |          |               |               |               |                         | 100.0        | 5,2                   |

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## SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

| SIEG              | ENBURG | GERMAN      | Y GUNN      | ERY RA      | NGE_        | 68           | -7C         | <del></del> , | TEAPS  |                |           | <u></u> | AY<br>ONTH            |
|-------------------|--------|-------------|-------------|-------------|-------------|--------------|-------------|---------------|--|----------------|-----------|---------|-----------------------|
|                   | _      |             |             |             | ALL W       | EATHER       |             |               |  | <u>_</u>       |           | 0600    | -080                  |
|                   |        |             |             |             | cox         | DITION       |             |               |  | <del></del>    |           |         |                       |
| SPEED (KNTS) DIR. | 1 - 3  | 4 - 6       | 7 - 10      | 11 - 16     | 17 - 21     | 22 - 27      | 28 - 33     | 34 - 40       | 41 - 47  | 48 · 55        | ≥56       | * !     | MEAN<br>WIND<br>SPEED |
| N                 | .7     |             |             |             |             |              |             |               |  |                |           | .7      | 3.                    |
| NNE #             |        | 1.5         |             | .7          |             | <del></del>  |             |               | :  | ·              |           | 2.2     | 8.                    |
| NF .              |        | 1.5         | 1.5         |             |             |              |             |               | 1  |                |           | 3.0     | ó,                    |
| ENE               | 2.2    | .7          |             |             |             |              |             |               | ;  |                |           | 3,0     | 3,                    |
| ٤                 | 3.0    | 3.0         | 2,2         |             |             |              | ī           |               |  |                |           | 8,1     | 5,                    |
| ESS A             |        | 1.5         |             |             |             |              |             |               | ,  | 1              |           | 1,5     | 6,                    |
| SE                |        |             |             |             |             |              |             |               |  |                |           |         |                       |
| SSE               |        |             |             |             |             |              |             |               |  | :              |           |         |                       |
| 5                 |        |             | .7          |             |             | <u></u>      | !           |               | <u> </u>   |                |           | . 7     | 7,                    |
| ssw               |        | 2.2         | !           |             |             | L            | <u>:</u>    |               | <u> </u>   | <u> </u>       |           | 2,2     | 5.                    |
| sw                |        | 7           | 3,0         |             |             | <u> </u>     | <u> </u>    |               | <u> </u>   | <u></u>        |           | 3,7     | 7                     |
| wsw               |        | 3,0         | 6,7         | 1.5         |             | <del> </del> | <u> </u>    |               | <u> </u>   |                | !<br>!    | Lial    |                       |
| w[                | 2.2    | 7,4         | 7.4         |             |             | <u> </u>     | <u> </u>    |               | <b>i</b>   | <u> </u>       | ·<br>     | 17,0    | 5                     |
| WWW               | 7      | ,7          | 7           | _           |             | <u> </u>     | <b></b> _   |               | !  | <u> </u>       | <u> </u>  | 2,2     | 6,                    |
| NW !              |        | 1,5         | 7           |             |             | <u> </u>     |             |               | <u>i</u>   | <u> </u>       | !         | 2,2     | 3                     |
| WWW               | 7      |             | . 7         |             |             | <b> </b>     |             |               | <del>                                     </del> | <u> </u>       | · · · ·   | 1,5     |                       |
| VARBL             |        |             |             | <           |             | <u>-</u>     | <del></del> |               | <del> </del>                                     | <del>!</del> > | <u></u>   |         |                       |
| CYTW              |        | $\geq \leq$ | $\geq \leq$ | $\geq \leq$ | $\geq \leq$ |              |             | $\geq \leq$   | <u> &gt;&lt;</u>                                 | !><            | ><        | 40,7    |                       |
|                   | 9,6    | 23,7        | 23'.7       | 2.2         |             |              |             |               |  |                |           | 100.0   |                       |
|                   |        |             |             |             |             |              |             |               | TOTAL NU   | ABER OF OBS    | ERVATIONS |         | 13                    |

USAFETAC  $^{\rm FORM}_{\rm AA-64}$  0-8-5 (OL-1) previous editions of this form are obsolete

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## SURFACE WINDS

TOTAL NUMBER OF OBSERVATIONS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

| SIEGE             | NBURG       | GERMAN | Y GUNN   | ERY R   | ANGE  | 68           | 70      |         | (ARS        |             |         |         | AY                    |
|-------------------|-------------|--------|----------|---------|-------|--------------|---------|---------|-------------|-------------|---------|---------|-----------------------|
|                   | _           |        |          |         | ALL M | EATHER       |         |         | <del></del> | <del></del> |         |         | -110(                 |
|                   |             |        |          |         | (2)   | POLITICA     |         |         |             |             |         |         |                       |
| SPEED (KNTS) DIR. | 1 - 3       | 4-6    | 7 - 10   | 11 - 16 |       | ;<br>22 · 27 | 28 - 33 | 34 - 40 | 41 - 47     | 48 - 55     | , ≥56 , | * -     | MEAN<br>WIND<br>SPEED |
| N                 | <del></del> |        |          |         |       |              |         |         |             |             |         |         |                       |
| NNE :             | ,7          | 1.5    |          |         |       | i<br>i       |         |         |             |             |         | 2,2     | 3,                    |
| NE                | ļ           | 2.2    | 2.2      | .7      |       |              |         |         |             |             |         | 5,2     |                       |
| ENE !             | .71         | 4,5    | 3,7      | 7       |       | i            |         |         |             |             |         | 7,7     | 6,                    |
| E :               | i           | 2,2    | 6,7      | - • 7   |       |              |         |         |             | 1           | ,       | 7,7     | 5,                    |
| ESE !             | 7           | 1.5    | 1.5      |         |       | I            |         |         |             |             | , ,     | 3,7     | 6,                    |
| SE ;              | 1.5         |        | 7        |         |       | I            |         |         |             | 1           |         | 2,21    | 5.                    |
| SSE !             |             | 1.5    |          |         |       | 1            |         |         |             |             |         | 1,5     | 3,                    |
| S R               |             | 2.2    |          |         |       |              |         |         |             |             | 1       | 2,2     | <b>5</b> ,            |
| ssw               |             | 2.21   | . 7      |         |       |              |         |         |             | <u> </u>    |         | 3,0     | 5,                    |
| sw !              | ,7          | 7!     | i        | 1.5     |       | 1            |         |         |             |             |         | 2 9 V ! | 5,<br>5,<br>5,        |
| wsw               |             | 1.5    | 7.7      |         |       | i            |         |         |             |             |         |         | 8,                    |
| w                 | 71          | 6.C    | 6.7      | 2.2     |       |              |         |         |             |             | 1       | 15,7    | 7,                    |
| WNW               | .7          | 2.2    | 1.5      | 2.2     |       |              |         |         |             |             | Ī       | 6,7     | 7.                    |
| NW !              | .7          | 2.2    |          | 2.2     |       |              |         |         |             | <u> </u>    |         | 5,21    | 7,                    |
| NNW               | .7          | . 7    |          |         |       | I            |         |         |             | !           |         | 1,5     | 3,                    |
| VARBL             | 2.2         | .7     |          |         |       |              |         |         |             |             | 1       | 3,0     | 3.                    |
|                   |             |        | <u> </u> |         |       |              |         |         |             | ~           |         | 11,2    |                       |

USAFETAC FORM 0-8-5 (OL-1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLUTE

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## SURFACE WINDS

TOTAL NUMBER OF OBSERVATIONS

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PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

| 199 | SIEG                      | ENBURG | GERMAN      | Y GUNN      | ERY R       | NGE         | 68           | •70         | ,           | EATS   |          |             |         | AY                       |
|-----|---------------------------|--------|-------------|-------------|-------------|-------------|--------------|-------------|-------------|--|----------|-------------|---------|--------------------------|
|     |                           |        |             |             |             | ALL W       | EATHER       |             |             |  |          |             |         | -140C                    |
|     |                           |        |             |             |             | CÓ S        | DITIC F      |             |             |  |          |             |         |                          |
|     | SPEED :<br>(KNTS)<br>DIR. | 1 - 3  | 4.6         | 7 - 10      | 11 - 16     | 17 - 21     | :<br>22 - 27 | 28 - 33     | 34 - 40     | 41 - 47                                      | 48 · 35  | ≥56         | · * .   | MEAN<br>WIND<br>SPEED    |
|     | N                         | .7     | .71         |             |             |             |              |             |             |  |          | <del></del> | 1.5     | 4.0                      |
|     | NNE                       | 7:     | <del></del> | .7          |             |             |              |             |             | <del></del>                                  |          | •——-        | 1,5     | 6,0<br>6,5<br>8,0<br>9,6 |
|     | NE                        |        | .7!         | 4.4         | 7           |             |              |             |             |  |          |             | 5,9     | 8,0                      |
|     | ENE                       |        | .7          | 2.2         | 2:21        |             | 1            |             |             |  |          |             | 5,2     | 9,ê                      |
|     | E                         | 3.0    | 5.2         | 464         | 3.7         |             |              |             |             |  | ,        |             | 16,3    | 7.4!                     |
|     | ESE :                     |        | 7           | 3.7         |             |             |              |             |             | <u></u> _                                    |          |             | 4,4     | 6,8<br>9,2<br>7,C<br>9,8 |
|     | SE                        |        | .7          | 3.0         |             |             |              |             |             |  |          |             | 4,4     | 9,2                      |
|     | SSE                       | 1.5    |             |             | . 7         |             | <u> </u>     | ·           |             | <u>.                                    </u> |          |             | 3,0     | 7,C                      |
|     | S_                        |        |             | 2.2         | 1.5         |             |              |             |             |  |          |             | 3,7     | 3,8                      |
|     | ssw                       | ·:     | !           | 2,2         |             |             | <u> </u>     | :           |             | !  |          |             | 2,2     | 8.3                      |
|     | S.W                       |        |             | 3.7         | ,7          |             | <u> </u>     |             |             | !<br>  | ÷        | ·<br>       | 9,9     | 8,5<br>9,7               |
|     | wsw                       |        |             | 3,9         | 2,2         |             | <u> </u>     | <u> </u>    | ·<br>       | <u> </u>                                     | !        |             | [ 0,1   | 7.7                      |
|     | <u>w</u>                  | 3.0    |             | 7.6         | 3.7         |             | <u> </u>     |             |             | <u> </u>                                     |          | ·           | 19,3    | 7.4                      |
|     | WNW                       | 7!     | 2,2         | 1.5!        |             |             | <u> </u>     |             |             | <u> </u>                                     | ·        |             | 6,4     | 3.0                      |
|     | NW                        |        |             | 3.7         |             |             | <u> </u>     | <u> </u>    |             |  | <u>:</u> |             | 2,9     | - <u>3 8</u> 8           |
|     | NNW                       |        | <u>i</u>    | 1.5         |             |             | <u>i</u>     |             |             |  | <u> </u> |             | 1,5     | 8.0                      |
|     | VARSL                     | 7      | 2.2         |             |             |             | !            |             |             | <u> </u>                                     |          |             | 3.0     | 3,5                      |
|     | CALM                      |        | $\geq \leq$ | $\geq \leq$ | $\geq \leq$ | $\geq \leq$ |              | $\geq \leq$ | $\geq \leq$ |  |          | $\geq \leq$ | 3,7     | er.                      |
|     |                           | اعتمدا | 20.7        | 44' 7       | ï 6 . 4     |             | l<br>I       | !<br>!      |             | 1  | Ì        |             | Langiel | 7.4                      |

USAFETAC FORM 0 8-5 (CL-1) PREVIOUS EDITIONS OF THIS FORM AND DESCRIPE

## SURFACE WINDS

TOTAL NUMBER OF OBSERVATIONS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

| 99        | SIEG         | ENBURG      | GERKAN        | Y GUNN      | ERY PA      | NGE         | 68          | 70   | · <del>-</del>                               | I EARS   |          |             |        | AY                    |
|-----------|--------------|-------------|---------------|-------------|-------------|-------------|-------------|--|--|--|----------|-------------|--------|-----------------------|
|           |              |             |               |             |             |             | EATHER      |  |  |  | <u> </u> |             | 1500   | •170C                 |
|           |              | -           |               |             |             | cos         | DIT PORT IN |  |  |  | <u> </u> |             |        |                       |
|           | SPEED (KNTS) | 1-3         | 4-6           | 7 - 10 ;    | 11 - 16     | 17 - 21     | 22 - 27     | 25 - 33                                      | 34 - 40                                      | 41 - 47  | 45 - 55  | ≥56         | •      | HEAN<br>WIND<br>SPEED |
| <u> </u>  | N            |             |               |             |             |             |             |  |  |  |          |             |        |                       |
|           | NHE .        |             |               | 1.0         | 1.0         |             |             |  |  | <del></del>                                    |          |             | 1.9    | 10,5                  |
|           | NE .         | 1.0         | 3.9           | 4.9         | ;           |             |             | :  | :  |  |          |             | 9.7    | 5,5<br>5,6            |
|           | ENE S        |             | 7,8           | 2.9         |             |             |             |  |  |  |          |             | 10,7   | 5.6                   |
| Г         | E :          |             | 3,5           | 1.0         |             | 1.0         |             |  | :  |  |          |             | 3,8    | 7.2                   |
|           | ESE F        | 1,9         | 1,01          | 1.9         | 1.0         |             |             |  |  |  |          |             | 3,5    | 6,5                   |
| Г         | \$E          |             | 1.9           | :           |             |             |             |  |  | :  |          |             | 1.9    | <b>€.</b> C           |
|           | SSE P        |             |               |             |             |             |             |  |  |  |          |             |        |                       |
|           | 5 5          |             | 1.9           | 1,91        | 1.9         | 1.0         |             | :  |  |  |          |             | \$ 6,E | 9,4                   |
|           | ssw 📱        | 1.0         |               |             |             |             |             |  |  |  |          |             | 1.0    | 3.C                   |
|           | \$₩          |             | 1.0           | 3.9         | 1.0         |             |             |  | 1  |  |          |             | 3,8    | 9,2<br>10,4<br>7,2    |
| -         | WSW §        |             |               | 3,9         | 2.9         |             |             |  | :  | :  |          |             | 5,6    | 10,4                  |
| <u>i_</u> | _ w _ [      |             | 3,9           | 5.8         |             |             |             | <u>.                                    </u> |  |  |          |             | 9,7    | 7,2                   |
| L         | WNW F        | 1.0         |               | 4,7         | 1.0         |             |             |  | :  |  |          |             | 9,7    | 7:4                   |
| L         | NW I         | 1.0         | 2.9           | 2.9         | 1.9         |             |             | <u>i</u>                                     | <u> </u>                                     | :  |          |             | 1 67   | 8.2                   |
| L         | MNW }        | 1.0         | 1.01          |             | 1.0         |             | <u> </u>    | <u> </u>                                     | <u> </u>                                     | <u>i                                      </u> |          |             | 3,9    | 6,3                   |
| L         | VAREL B      | 1.9         | 2.9           |             |             |             | <u> </u>    | <u> </u>                                     | <u>:                                    </u> | <u>.                                    </u>   | <u> </u> |             | 4,9    | 3,2                   |
| Ĺ         | CALM         | $\geq \leq$ | $\geq \leq 1$ | $\geq \leq$ | $\geq \leq$ | $\geq \leq$ | $\geq \leq$ |  | $\geq \leq$                                  | $\geq \leq$                                    |          | $\geq \leq$ | 7.8    |                       |
| 1         | į            | 8.7         | 35-0          | 35.0        | 11.7        | 1.9         |             | 1  | 1  | 1  |          |             | 100.0  | 6.6                   |

USAFETAC  $\frac{\text{folim}}{\text{fit of}}$  0-8-5 (OL-1) previous editions of thes folia are descript

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## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

|                        | <u>Enburg</u><br>- | CHAIL       | 4 2781  |         |  | EATHER   |             |             | 11.25   |         |             | 1800                                  | 200¢                   |
|------------------------|--------------------|-------------|---|---------|--|----------|-------------|-------------|---|---------|-------------|---------------------------------------|------------------------|
|                        |                    |             |   |         |  | OCTION   |             |             |   |         |             |                                       |                        |
| SPEED<br>(KNTS)<br>D . | . 1.3              | : :-6       |   | 11 - 16 | 17 21  | 22 - 27  | 28 - 33     | 34 - 40     | 417   | 48 - 55 | ≥55         | · · · · · · · · · · · · · · · · · · · | MEAN<br>CONIW<br>SPEED |
|                        | <del>.</del>       | <del></del> | <del></del>                                   |         | <del></del>                                  |          |             |             |   |         |             | <del></del>                           |                        |
| NNE                    | -                  |             | _11.1   |         |  |          |             |             |   | ****    |             | 11.1                                  | 7.0                    |
| NE                     | ?                  | <del></del> |   |         | :  |          |             |             |   |         |             |                                       |                        |
| ENE                    | -                  |             | 11.1  |         | 1  |          |             | 1           |   |         |             | 11.1                                  | 7.0                    |
| Ε                      | 11.1               | <del></del> |   |         |  | ,        |             | <del></del> | :   |         | <del></del> | 11.1                                  |                        |
| ESE                    | Î                  |             | !   |         |  |          |             | i           |   |         |             |                                       |                        |
| SE                     | • .                | <del></del> |   |         |  | l        |             | ,           | :   |         |             |                                       |                        |
| SSE                    | Ÿ                  |             | 1 :   |         | 1  | 1        |             |             |   |         |             | <del></del>                           |                        |
| S                      | 7<br>5<br>1        |             |   |         | <del>!</del>                                 | <u> </u> |             |             |   |         |             |                                       |                        |
| SSW                    | Table 1            | <u> </u>    |   |         | <u>.                                    </u> | i<br>!   |             |             | !   |         |             | · .                                   |                        |
| sw                     | and a              | 1           |   |         |  |          | i           |             |   | 1       |             | <u> </u>                              |                        |
| W5-7                   | 1                  | <u> </u>    |   |         |  |          |             | <u> </u>    |   | ·<br>   |             | <u> </u>                              |                        |
| w                      | <u> </u>           | 11.1        | <u>i                                     </u> |         |  | <u> </u> |             | <u> </u>    | ·   |         |             | 11,1                                  |                        |
| WWW                    | <u> </u>           | <u> </u>    | 11.1  |         | :  | <u> </u> |             | <u> </u>    | :   |         |             | 11.1                                  | 10.                    |
| NW                     | <u> </u>           | <u> </u>    | <u> </u>                                      |         |  | !        |             | <u> </u>    | <del></del>                                   |         |             | <u> </u>                              |                        |
| NNW                    | 1                  | <u> </u>    |   |         | ·  | <u> </u> |             | <u> </u>    | <u>i                                     </u> |         | ·           |                                       |                        |
| VARBL                  | إعلاليا            | Ļ           | <u>!</u>                                      | <u></u> | <u></u>                                      | <u> </u> |             | <u>Ļ</u>    | <u></u>                                       |         |             | 11,1                                  |                        |
| CALM                   |                    | $\geq \leq$ | $\geq \leq$                                   | ><      |  |          | $\geq \leq$ | $\geq \leq$ | !><   |         | ><          | 33,3                                  |                        |
|                        | 22.3               | 11.1        | 33',3   |         |  |          |             |             | i   |         |             | 100.0                                 | 3,9                    |

USAFETAC Note 0-8-5 (OL-1) methods combos or lims norm all discrets

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## SUPFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY CBSERVATIONS)

| 31 <u>E</u>             | GENBURG  | STATES      | T GUN                   | YERY_K        |             |                  | 207                     | <del></del> | I. 83                   |               | <del>-</del>  |                                       | UN:                   |
|-------------------------|--|-------------|-------------------------|---------------|-------------|------------------|-------------------------|-------------|-------------------------|---------------|---------------|---------------------------------------|-----------------------|
|                         |  |             |                         |               | ALL d       | EATHER           |                         |             |                         |               |               | 0300                                  | 050                   |
|                         | _  |             |                         |               |             | MIDS             |                         |             |                         | <del>-</del>  |               |                                       |                       |
| SPEEL/<br>(KNTS)<br>DIR | 1.3  | 4 - 6       | 7 - 10                  | 11 - 16       | 17 - 21     | 22 - 27          | 28 - 33                 | 34 - 40     | ,1 - 47                 | 48 - 55       | ≥55           | *                                     | MEAN<br>WIND<br>SPEED |
| - N                     | <del></del> -                                    |             |                         |               |             |                  |                         |             |                         |               |               |                                       |                       |
| NNE                     |  | <del></del> |                         |               |             |                  |                         |             |                         |               |               |                                       |                       |
| ΝE                      |  |             |                         |               |             |                  |                         |             |                         |               |               |                                       |                       |
| ENE                     |  |             |                         |               |             |                  |                         |             |                         |               |               | <del></del>                           |                       |
| E                       | : :  |             |                         |               |             |                  |                         | =           |                         |               |               |                                       |                       |
| ESE                     |  |             |                         |               |             |                  |                         |             |                         |               |               |                                       |                       |
| SE                      | #  |             |                         |               |             |                  |                         |             |                         |               |               |                                       |                       |
| SSE                     | 1  |             |                         |               |             |                  |                         |             |                         |               |               | · · · · · · · · · · · · · · · · · · · |                       |
|                         | <u>.</u>   |             |                         |               |             | ·                |                         |             |                         |               |               | :<br>                                 |                       |
| SSW                     | <del>-</del>                                     | i           |                         |               |             |                  |                         | ·           |                         |               |               |                                       |                       |
| S₩                      | <del>-</del>                                     |             |                         | <u> </u>      |             | <u> </u>         |                         | , —         |                         |               |               | ا المحدث                              |                       |
| wsw                     | <u> </u>   | 40.0        |                         | <u> </u>      |             | <del></del>      |                         | <u></u>     |                         |               |               | 60.0                                  | 4                     |
| w                       | <del></del>                                      |             |                         | <del></del>   |             | <u> </u>         |                         |             |                         |               |               | <del></del>                           |                       |
| WNW                     | <del></del>                                      |             |                         |               | <del></del> | <del></del>      |                         |             |                         |               |               | 7                                     |                       |
| NNW NNW                 | <del></del>                                      | <del></del> |                         | <del></del> - |             | <del>!</del>     |                         | <del></del> |                         | <del></del>   |               | <del></del>                           |                       |
| YARS;                   | <del> </del>                                     | <del></del> |                         |               | :           | <u> </u>         |                         |             |                         | <del></del> - |               | <del></del>                           |                       |
| CALM                    |  |             | $\overline{\mathbf{x}}$ |               |             |                  | $\overline{\mathbf{x}}$ |             | $\overline{\mathbf{x}}$ |               | $\overline{}$ | 40,0                                  |                       |
|                         | <del>                                     </del> | 40.0        |                         |               |             | <del>~ ~ `</del> |                         |             |                         | <b>/</b>      | <u> </u>      | 100.0                                 | 2.                    |

USAFETAC  $\frac{kQ4M}{M}$  0-8-5 (OL-1) MEVIOUS EDITIONS OF SIT 1 YM AM OBJULT

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

| <u>3150</u>  | ENBURG      | STATION     | TAUN        |             |             |              |             | ,            | TARS        |  |             | -        | <u> </u>      |
|--------------|-------------|-------------|-------------|-------------|-------------|--------------|-------------|--------------|-------------|--|-------------|----------|---------------|
|              |             |             |             |             | APP 1       | EATHER       |             |              |             |  |             | <u> </u> | 11.           |
|              | -           |             | <del></del> |             | co-         | inos         |             |              |             | - <b>.</b>                                   |             |          |               |
| SPEED (KMTS) | 1-3         | 4.6         | 7 - 10      | 11 - 16     | 17 - 21     | 22 • 27      | 28 - 33     | 31 - 40      | 41 - 47     | 4 . 55                                       | ≥::         |          | ji.e.<br>Will |
| DIR.         |             |             |             |             |             |              |             |              |             |  |             |          | 5>E           |
| N            | <u>ئۇم</u>  |             |             |             |             |              |             |              |             |  |             |          |               |
| NNE<br>Na    | 1.8         | .6          |             |             |             |              |             |              |             |  |             | 1,2      |               |
| ENE          | 1.8         | 8,5         | 1,2         |             |             | <del></del>  |             |              |             | · · · · · · · · · · · · · · · · · · ·        |             | 21,6     |               |
| E            | 1.8         | 3.7         | 1.8         | 61          |             |              |             |              |             |  |             | 7,9      |               |
| ESE :        |             | .61         |             |             |             |              |             |              |             |  |             | ,6       |               |
| ŞE ,         | , 5.        |             | .61         |             |             |              |             |              |             |  |             | 1,2      |               |
| SSE          |             |             |             |             |             |              |             |              |             | • •  |             | ·        |               |
| <u>s</u>     | ·           |             |             |             |             |              |             |              |             |  |             | ·<br>    |               |
| ssw .        |             | 1.2         |             |             |             |              |             |              |             |  |             | 1,2      |               |
| sw           | 1,8         | 7,3         | 4,3         | .6:         |             | <del></del>  |             |              |             |  |             | 16.5     |               |
| w :          | 7.9         | 11.0        | 11.0        |             |             | <del>.</del> |             | <del>-</del> | <u></u>     |  |             | 30,5     |               |
| WNW          | .01         | 1.2         | .6          |             |             |              |             |              |             |  |             | 2,4      |               |
| NW           |             | .6          |             |             |             |              |             |              |             |  |             | 6        |               |
| NNW          |             | 1.8         |             |             |             |              |             |              |             |  |             | 1,81     | _             |
| VARBL        | 1.2         |             | إر          | لر          |             | <u>i</u>     |             | ·<br>~~~~    |             | <u>.                                    </u> |             | 1,2      |               |
| CALM         | $\geq \leq$ | $\geq \leq$ | $\geq \leq$ | $\geq \leq$ | $\geq \leq$ | $\leq$       | $\geq \leq$ | $\geq \leq$  | $\geq \leq$ | i≥ <u>&lt;</u>                               | $\geq \leq$ | 21,3     |               |
|              | 18.9        | 37.8        | 20.1        | 1.8         |             |              |             |              |             |  |             | 100.0    |               |
|              |             |             |             |             |             |              |             |              | TOTAL NU    | ASER OF CASS                                 | EVATIONS    |          |               |

USAFETAC  $\frac{\text{FOUR}}{\text{ACL}_{M}}$  0-8-5 (Ot-1) Previous compas or this rotal Art descent

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## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS-

| SIEG         | ENBURG . | GERMAN  |             | iery sa  | NGE_    | 584            | •7¢         |         | 4344              |             |           | نيـ   | <u>;</u> ; |
|--------------|----------|---------|-------------|----------|---------|----------------|-------------|---------|-------------------|-------------|-----------|-------|------------|
|              | _        |         |             |          | ALL M   | EATHER         | •           |         |                   |             |           | ಾಕ್ಟ್ |            |
|              |          |         |             |          |         |                |             |         |                   |             |           |       | •••        |
|              |          |         | <i>-</i>    |          | æ       | 2704           |             |         |                   |             |           |       |            |
|              |          |         |             |          |         |                |             |         |                   | _           |           |       |            |
| 9155<br>2042 | : . 3    | 4.0     | 7 - 10      | 11 - 15  | 17 - 21 |                | 21 33       | 34 40   | 4: 6              | 4 #         | ≥54       |       | MEA        |
| ) SEZ .      |          | ***     |             |          |         | <b>22</b> · 27 | .1 33       | ,       | 4. 4              | 4 22        | 2,30      | •     | Aii<br>Aii |
| N            |          |         | , á         |          |         |                |             |         |                   |             |           | 1.2   | 6          |
| NVE          |          |         |             |          |         |                |             |         |                   |             |           |       |            |
| HE           | 1.2      |         |             |          |         |                |             |         |                   |             |           | 1.2   | _2         |
| ENE          | 2.4.     | 3.0     | 6.8         | 1.2      |         |                |             |         |                   |             |           | 11,4  | 5          |
| E ,          |          | 1.2     | 7.2         |          |         |                |             |         |                   |             |           | . 8,4 | 7          |
| ESE          | 1.2.     | 3,6     | 1.2         | , 6      |         |                |             |         |                   |             |           | . 6,6 | 5          |
|              |          | . 5.    |             |          |         |                |             |         |                   |             |           | 1,2   | 7          |
| 322          |          | . 6:    |             |          |         |                |             |         |                   |             |           | 1,2   | 6          |
| 3            | , ż.     |         |             |          |         |                |             |         |                   |             |           | 6     | 3          |
| W22          |          | 2.4     |             |          |         |                |             |         |                   |             |           | 3,0   | 5          |
| SW           |          |         |             |          |         |                |             |         |                   |             |           |       |            |
| wsw :        | 1.2      | 7.8     | 7.5         |          |         |                |             |         |                   |             |           | 16.9  | - 6        |
| w            | 2.4      | 13.3    | 3.6         | 4.2      |         |                |             |         |                   |             |           | 23,5  | 6          |
| ww           |          | 3.0     | 2,4         |          |         |                |             |         |                   |             |           | 5,4   | - 6        |
| N7#          |          | 3.0     | 1.2         |          |         |                |             |         |                   |             |           | 4,2   | 6          |
| NAMA         | 1.8:     | . 61    | 1.8         |          |         |                |             |         |                   |             |           | 4,2   | 5          |
| VARM         | 1.2      |         |             |          |         |                |             |         |                   |             |           | 1,2   | 2          |
| CAUA         |          | $\geq $ | $\geq \leq$ | $\geq <$ | $\geq$  | $\geq <$       | $\geq \leq$ | $\geq $ | $\supset \subset$ | $\supset <$ | ><        | 9,6   |            |
|              | :2.7     | 39.3    | 32,5        | 6.0      |         |                |             |         |                   | ·           |           | 100.0 | 5          |
|              |          |         |             |          |         |                |             |         | מו שונסו          | MEET OF ORS | EEVATIONS |       | 1          |

endele dia ator em es sectes edopar (1 10, 646  $\frac{447}{11}$  )Affilials

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## SURFACE WINDS

TOTAL NUMBER Co. 4 SEVATIONS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

| <b>SI</b> F (           | ENBURG | GERMAN | Y SUNN      | ERY RA  | NGE     | 684          | •70            |                | EARS   |              |     | <u> </u> | UN                    |
|-------------------------|--------|--------|-------------|---------|---------|--------------|----------------|----------------|--|--------------|-----|----------|-----------------------|
|                         | _      |        | <del></del> |         | ALL Y   | EATHER       |                | <del></del>    |  |              |     | 1200     | (1.1.)                |
|                         |        |        |             |         | CON     | D *ION       |                |                |  |              |     |          |                       |
| SPEED<br>(KNTS)<br>DIR. | 1 - 3  | 4-6    | 7 - 10      | 11 - 16 | 17 - 21 | 22 - 27      | 28 - 33        | 54 - 40        | 41 - 47  | 48 · 55      | ≥56 | *        | MEAN<br>WIND          |
| N                       |        | , 6    | <del></del> |         |         | l l          |                |                |  |              |     | .61      | 5                     |
| NYE                     | 1.2    | 1 = 2  |             | . 6     |         |              |                |                |  |              |     | 3,0      | 5<br>5<br>9           |
| NE                      | . 6    | 2.4    |             |         |         |              |                |                |  |              |     | 3,0      | •                     |
| ENE                     | . 6    | 4,8    | 3,6         | 1.2     |         | İ            |                |                |  |              |     | 10,3     | 7.                    |
| €                       | ,6     | 3,5    | 3,0         | 1.2     |         |              |                |                |  |              |     | ,,,      | 7                     |
| ESE                     | 1,2    | 1,8    | 1,2         | .6      |         | <u> </u>     |                |                |  |              |     | 4,8      | 6                     |
| SE                      |        | 1.8    | .6          |         |         | <u> </u>     |                |                |  |              |     | 2,4      | 0                     |
| SSE                     | - 6    | 1.2    | ,6          |         |         | !            |                |                | ļ  | <u> </u>     |     | 2,4      |                       |
| <u>s</u>                | 1.2    |        |             |         |         | <u> </u>     |                | <b> </b>       |  |              |     | 1,2      |                       |
| SSW                     |        | .6     |             | , 5     |         | !            | <u> </u>       | <del>}</del> - | <del> </del>                                     |              |     | 3,0      | -7                    |
| sw                      | 6.     |        | 3.6         |         |         | <del> </del> |                | <del></del>    | <del> </del>                                     | <del> </del> |     | 7,9      | <del></del>           |
| W W                     | .6     | 11.5   | 12.1        | 1,2     |         | <del> </del> | <del> </del> - | <del> </del>   | <del> </del>                                     |              |     | 23,5     | 5<br>2<br>9<br>5<br>7 |
| WWW                     | 1.2    | 2.4    | 3.6         | 1,2     |         | <del> </del> |                |                | <del> </del>                                     | <del> </del> |     | 8,5      |                       |
| NW                      | .6     | .6     | 3.6         | 1,2     |         | <del> </del> | <b></b>        |                | <del>                                     </del> | <del> </del> | i   | 6.1      | - 5                   |
| NNW                     | .6     |        | 1.2         | 1.2     |         | i            |                |                |  | -            |     | 3,0      | 8                     |
| VARBL                   | 2.4    | 1.8    |             |         |         | ·            |                |                | i  | <b></b>      |     | 4.2      |                       |
| CALM                    |        |        | ><          |         | > <     |              |                |                |  |              | ><  | 4,2      |                       |
|                         | 12.7   | 39.4   | 33.9        | 9.7     |         |              | <u> </u>       |                |  |              |     | 100,0    | 6,                    |

USATETAC FORM 0-8-5 (OL-1) previous editions of this form are obsolete

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

|                        |       |       |        | IERY RA |         | EATHER   | <del></del> |  | EARS    |  |     | 1500  | UN<br>087H<br>017( |
|------------------------|-------|-------|--------|---------|---------|----------|-------------|--|---------|--|-----|-------|--------------------|
|                        | _     |       |        |         | COM     | DITION   |             |  |         | <b>-</b> -                                       |     |       |                    |
| SPEED<br>(KNTS)<br>DIR | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27  | 28 - 33     | 34 - 40  | 41 - 47 | 48 - 55  | ≥56 | %     | MEA<br>WIN<br>SPEE |
| N                      |       | 1.8   | .0     |         |         | i        |             |  |         | <del>                                     </del> |     | 2.7   | 5                  |
| NNE                    | 1.8   |       | .01    |         |         |          |             | <del>                                     </del> |         |  |     | 2.7   | 4                  |
| NE                     | 9     | .9    |        | . 9     |         | 1        |             | i  |         |  |     | 2,7   |                    |
| ENE                    | . 9   | 3.6   | 4,5    | . 9     |         |          | i           |  | i       |  |     | 10,0  | 1                  |
| E                      | .9    | 6.4   | 2.7    | . 9     |         | 1        |             | i  | i — —   | i i  |     | 10,9  | - (                |
| ESE                    |       | 1.8   |        | . 9     |         |          |             |  |         | 1  |     | 2,7   | (                  |
| SE ;                   | . 9   |       |        |         |         | <u> </u> | i ——-       |  |         |  |     | , 9   |                    |
| SSE                    |       | 2,7   |        |         |         |          | -           |  |         |  |     | 2,7   |                    |
| 5                      |       |       |        |         |         |          |             |  |         |  |     |       |                    |
| SSW                    |       | .9    | . 9    |         |         |          |             |  |         |  |     | 1.8   | 7.                 |
| sw                     | 2,7   |       |        | . 9     |         | I        |             |  |         |  |     | 3.6   |                    |
| wsw                    | 2.7   | . 9   | . 9    |         |         |          |             |  | I       |  |     | 4,5   |                    |
| ¥                      | 9     | 8.2   | 9.1    | 6,4     |         |          | <u> </u>    |  | 1       |  |     | 24.5  |                    |
| WNW                    | 1.8   | 1.8   | 4.5    | 1.8     |         |          |             |  |         |  |     | 10.0  |                    |
| NW                     | . 9   | . 9   | 2.7    | 9       |         |          |             |  |         |  |     | 5,5   |                    |
| WMM                    | 1.8   | 2.7   | 3.6    |         |         |          |             |  |         |  |     | 8,2   |                    |
| VARBL                  | 1.8   | . 9   |        |         | <u></u> |          | L           |  | L       |  |     | 2,7   |                    |
| CALM                   |       | ><    | ><     | ><      | ><      |          |             |  |         | ><   | ><  | 3,6   |                    |
|                        | 18.2  | 33.6  | 30.9   | ٥٠٤١    |         |          |             |  |         |  |     | 100.0 |                    |

USAFETAC FORM 0-8-5 (OL-1) PREVIOUS EDITIONS OF THIS FORM ARE COSCULTE

1

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

| SIEG                    | ENBURG      | GERMAN   | Y GUN       | HERY RA | NJE         | 68           | 70           |               | TEARS         |              |              |               | UL.                   |
|-------------------------|-------------|----------|-------------|---------|-------------|--------------|--------------|---------------|---------------|--------------|--------------|---------------|-----------------------|
|                         |             |          | <del></del> |         | ALL         | EATHER       |              |               |               |              |              | 0600<br>FOURS | #080                  |
|                         | -           |          |             |         | COP         | EDITION      |              |               |               |              |              |               |                       |
| SPEED<br>(KNTS)<br>DIR. | 1 - 3       | 4-6      | 7 - 10      | 11 - 16 | 17 - 21     | 22 - 27      | 28 - 33      | 34 - 40       | 41 - 47       | 48 - 55      | ≥50          |               | MEAN<br>WIND<br>SPEED |
| N                       | 1.1         | 5 و      |             |         |             | l .          | :            | 1             | <del>,</del>  |              |              | 1.6           | 4.0                   |
| NNE                     |             | . 5      |             |         |             | <del> </del> |              | 1             | <del></del>   | 1            |              |               | 4,0<br>5,2<br>5,6     |
| NE                      | .5          | 1.6      | ,5          |         |             | i            |              | 1             | <del></del> - | ,            | :            | 2,7           | 3,2                   |
| ENE                     | , 5         | 2.7      | .5          |         |             | 1            |              | 1             | <u> </u>      |              |              | 3,7           | 5.6                   |
| Ę                       |             | 1.6      | 1/1         |         |             |              |              | 1             |               | ;            | i            | 2.7           | 6 c C                 |
| ESE                     | . 5         | .5       |             |         |             |              | :            |               |               |              | -            | 1.1           | 4.0                   |
| SE                      |             | 1.1      |             |         |             |              |              |               |               | 1            | !            | 1,1           | 5.0                   |
| SSE                     | . 5         | . 5      | . 3         |         |             |              |              |               |               |              |              | 1,6           | 6.0                   |
| 5                       | 141         | 1.6      |             |         |             |              |              |               |               |              |              | 2,7           | 6.0<br>3,2            |
| SSW                     |             |          |             |         |             | <u> </u>     | <u> </u>     | <u> </u>      |               |              |              | . 5           | 4,6                   |
| sw                      | 5           | 2.1      | 5           |         |             |              | L            | ļ             | <u> </u>      | 1            |              | 3,2           | 4.8                   |
| wsw                     | 5           | 1,6      | 1.6         |         |             | <u> </u>     | <u> </u>     |               |               | <u> </u>     |              | 3,7           | 6,4                   |
| w                       | 2,7         | 12,8     | 4,8         | 1.6     |             | <u>!</u> _   | L            | L             | <u> </u>      | <u> </u>     |              | 21,8          | 6.2                   |
| WNW                     | į.          |          | 20          | K       |             | <del>'</del> | <u> </u><br> | !             | <u></u>       | <b></b>      | i<br>        | 9,8           | 6.2                   |
| NW                      |             | 5        |             |         |             | <del>!</del> | <del> </del> | <del> </del>  | <del> </del>  | <del> </del> | <del>!</del> |               | 4:5                   |
| NNW                     | <u> </u>    |          | 5           |         |             | <del> </del> | <u> </u>     | <del> </del>  |               | <del> </del> | <u> </u>     | 1.1           | 6,0                   |
| VARBL                   |             | <u> </u> |             |         |             | Ļ            | <del></del>  | <del></del> _ | Ļ             | <u> </u>     | Ļ            |               |                       |
| CALM                    | $\geq \leq$ |          | $\geq \leq$ |         | $\geq \leq$ |              |              |               | $\geq \leq$   | ot           |              | 42.0          |                       |
|                         | 8.5         | 33.5     | 13'8        | 201     |             |              |              |               |               |              |              | 100.0         | 3,4                   |

USAFETAC FORM 0-8-5 (OL-1) PREVIOUS EDITIONS OF THIS FORM ALE ORSOFETE

188

TOTAL NUMBER OF OBSERVATIONS

1

## SURFACE WINDS

TOTAL NUMBER OF OBSERVATIONS

195

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

| 99 | SIEG         | ENBURG | GERMAN      | Y GUN    | HERY RA | NGE     | 680  | •70         | <del></del> , | EARS.       |         |     |       | IUL                   |
|----|--------------|--------|-------------|----------|---------|---------|--|-------------|---------------|-------------|---------|-----|-------|-----------------------|
|    |              |        |             |          |         |         | EATHER   |             |               |             |         |     | 0900  | -1100                 |
|    |              |        |             |          |         | c       | LASS   |             |               |             |         |     | MOURS | (L \$ T.)             |
|    |              | _      |             |          |         | co      | DITIOA   |             |               |             |         |     |       |                       |
|    | SPEED (KNTS) | 1.3    | 4-6         | 7 - 10   | 11 - 16 | 17 - 21 | 22 - 27  | 28 - 30     | 34 - 40       | 41 - 47     | 48 - 55 | ≥56 | . %   | MEAN<br>WIND<br>SPEED |
|    | N I          | .5     | 1.0         | .5       |         |         | <del>i</del>                                     |             | 1             | ;<br>;      | :       |     | 2.1   | 5.3                   |
|    | HNE          | .5     | 1.3         |          |         |         | <del></del>                                      | <del></del> |               | j           |         |     | 2.1   | 5,3<br>4,5            |
|    | rc£          | 1.0    | 1.5         | , 5      |         |         | <b> </b>   |             |               |             |         |     | 3,1   | 4.3                   |
| Г  | ENE          |        | 2,6         | 2,6      |         |         |  |             |               |             | Ţ       |     | -5,1  | 6.7                   |
|    | E            | 1.0    | 4,1         | 3,6      |         |         |  |             |               | i           |         |     | 9.7   | 6,8                   |
| _  | ESE          | 1,0    | 4,1         | 1.5      |         |         | <del>                                     </del> |             | <u> </u>      | !           |         |     | 5,7   | 5.1                   |
| _  | SE           |        | 1,5         |          |         |         |  |             |               |             | 1       |     | 1,5   | 4,7                   |
|    | SSE          | . 5    |             |          |         |         | 1  |             |               | l           |         |     | 1,5   | 3,7                   |
|    | S            | 1.0    |             | .5       |         |         |  |             |               |             |         |     | 2,6   | 4.4                   |
|    | ssw          | . 5    | 1.5         |          |         |         |  |             |               |             |         |     | 2,1   | 3.5                   |
|    | sw           |        | 2.6         | 1.5      |         |         |  |             |               |             |         |     | 4,1   | 6.0<br>7.1            |
|    | ₩S₩          | ,5     | 4,6         | 451      | . 5     |         |  |             | I             | Ĭ           |         |     | 9,7   | 7,1                   |
|    | w            | 1.5    | 8.2         | 10.3     | 3.1     |         |  |             |               |             |         |     | 23,1  | 7.6                   |
|    | WNW          | 1.5    | 3.1         | 2,1      | 1.0     |         |  |             | i             |             |         |     | 7,7   | 6,5<br>4,7            |
|    | NW           |        | 1.5         |          |         |         | , ,  |             |               | i T         |         |     | 1,5   | 4,7                   |
|    | WWW          | 2.1    |             |          |         |         |  |             |               |             |         |     | 2,1   | 2.5                   |
|    | VARBL        | 1.5    | . 5         |          |         |         |  |             |               |             |         |     | Ε,1   |                       |
|    | CALM         |        | $\geq \leq$ | $\times$ |         | $\geq$  |  | $\geq$      | $\boxtimes$   | $\boxtimes$ |         | ><  | 13,3  |                       |
| Γ  |              | 13.3   | 40.5        | 27.2     | 5.6     |         |  | T           |               |             |         |     | 100.0 | 5.4                   |

USAFETAC FORM 0-8-5 (OL-1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

### SURFACE WINDS

TOTAL NUMBER OF OBSERVATIONS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

| _SIEG                   | ENBURG | GERMAN | IX GUNN | ERY R       |          |         | 70      | <del></del> , | EARS        |             |     |       | UL                    |
|-------------------------|--------|--------|---------|-------------|----------|---------|---------|---------------|-------------|-------------|-----|-------|-----------------------|
|                         | _      |        |         |             | ALL Y    | ATHER   |         |               |             | <del></del> |     | 1200  | (140<br>((17)         |
|                         | _      |        |         | <del></del> | CÓN      | 40110   |         |               |             | <del></del> |     |       |                       |
| SPEED<br>(KNTS)<br>DIR. | 1.3    | 4 - 6  | 7 - 10  | 11 - 16     | 17 - 21  | 22 - 27 | 23 - 33 | 34 - 40       | 41 - 47     | 48 - 55     | ≥56 | %     | MEAN<br>WIND<br>SPEED |
| N .                     | . 5    | 2,1    | 1,1     |             |          |         |         |               |             |             |     | 3.7   | 3.                    |
| NNE ,                   |        | 2.1    |         |             |          |         |         | <del></del>   | <del></del> |             |     | 2.6   | 5,                    |
| NE .                    | , 5    | 2.1    | 5       |             |          |         |         |               |             |             |     | 3,2   | 5,7                   |
| ENE                     | 1.1    | 3.2    | 4.2     | 10.         |          |         | 1       |               |             |             |     | 9,5   | 6.                    |
| E "                     |        | 4.2    | 3.7     | 2.1         | , —      |         | 1       | i             | <del></del> |             |     | 11,6  | 7.0                   |
| ESE                     |        | 3.2    | 2.1     |             |          |         |         |               |             |             |     | 5,3   | 6.7                   |
| SE :                    | -      | . 5    | 1.1     |             | ī —      |         | 1       | 1             |             | 1           |     | 1,6   | 7,                    |
| SSE                     |        | 1.1    | .5      |             | <u> </u> |         | !       |               |             | !           |     | 1,6   | 7.0                   |
| s ;                     |        | 1.6    | 2.5     |             |          |         |         |               |             | ,           |     | 2,1   | 5,!                   |
| ssw !                   |        | . 5    | 111     | 1.1         |          |         |         |               |             |             |     | 2,6   | 10.0                  |
| sw                      |        | 2.6    | 1.6     | . 5         |          |         |         |               |             |             |     | 4,7   | <u>'7.</u> 3          |
| wsw                     |        | 2.6    | 6.8     | 111         |          |         |         |               |             |             |     | 10.5  | 6.3                   |
| w                       | , 5    | 4.2    | 8.6     | 2.6         | . 5      |         |         |               |             | <u> </u>    |     | 16,3  | 8,4                   |
| WWW                     | 111    | 4.2    | 4,21    | lil         | <u> </u> |         |         |               |             | l           |     | 10,5  | 7.0                   |
| NW_                     | . 5    | 3.2    | . 5     |             |          |         |         | <u> </u>      |             | ļ           |     | 4,2   | 5,                    |
| WNW                     | . 5    | 1.6    |         |             |          |         |         |               |             |             |     | 2,1   | 4.1                   |
| VARBL                   | 1.6    |        |         |             |          |         |         |               |             | <u> </u>    |     | 1,6   | 2.0                   |
| CALM                    |        | ><     | ><      | ><          | ><       |         |         |               |             |             | ><  | 6,3   |                       |
|                         | 7.9    | 38.9   | 36.8    | 7.5         | . 5      |         |         |               | r           |             |     | 100.0 | 6.                    |

USAFETAC FORM 0 8-5 (OL-1) PREVIOUS EDITIONS OF THIS FORM ARE DESCRETE

# SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

| 9        | SIEG         | ENBURG      | GERMAN      | Y GUNN            | ERY RA      | NGE         | 68       | 70          |             | I EARS   |             |  |       | UL .                     |
|----------|--------------|-------------|-------------|-------------------|-------------|-------------|----------|-------------|-------------|----------|-------------|--|-------|--------------------------|
|          |              | _           |             |                   |             |             | EATHER   |             |             |          | _           |  | 1500  | 1700                     |
|          |              |             |             |                   |             | CON         | DITION   |             |             |          |             |  |       |                          |
|          | SPEED (KNTS) | 1 · 3       | 4-6         | 7 - 10 ;          | 11 - 16     | 17 - 21     | 22 - 27  | 28 - 33     | 34 - 40     | 41 - 47  | 48 · 55     | . ≥56  |       | MEAN<br>WIND<br>SPEED    |
|          | N !          |             |             | .7                |             |             |          |             |             |          |             |  | .7    | 8,0                      |
|          | NNE          |             | . 7         |                   |             |             | ·        |             |             |          |             |  | Ŷ.    | 4.0                      |
| Г        | NE :         | 1           | .7          |                   |             |             | <u> </u> |             |             | i<br>i   |             | 1  | ,7    | <b>4.</b> 0              |
| Г        | ENE          | 3.0         | 3,7         | 494               | ,7          |             |          |             |             |          |             |  | 11,9  | 5,9                      |
|          | E            |             | 2.2         | 3.0               | 4+4         |             |          |             |             | i        |             |  | 7,6   | 7,5                      |
|          | ESE !        |             | 2,2         | 1.5               |             |             |          |             |             | !        |             |  | 3,7   | 7,2                      |
|          | SE           |             | 7           | .7                |             |             |          |             |             |          |             | 1  | 1,5   | 7,0                      |
|          | SSE          | , 7         | 2,2         | 3.0               |             |             |          |             |             |          |             |  | 3,9   | 7,3                      |
|          | S            |             | 1.5         | · · · · · ·       |             |             |          |             |             |          |             |  | 1,5   | 7,0<br>7,3<br>9,0<br>6,9 |
|          | ssw          | 1.5         | 1.5         | 1,5<br>6,7<br>3,0 | •7          |             |          |             |             |          |             |  | 5,2   | 6,9                      |
| L        | swf          |             |             | 6.7               |             |             |          |             |             |          |             | 1  | 6.7   | 8.2                      |
| <u> </u> | wsw          |             | 3.0         | 3.0               | .7          |             | <u></u>  |             |             |          |             |  | 5,7   | 7,8                      |
| L        | w            | 1.5         | 242         | 8.9               | 2.2         |             | <u> </u> |             |             |          |             | <u>:                                    </u> | 14,8  | 8,1                      |
| L        | WNW          | .7          | 262         | 7,4               | • 7         |             | <u></u>  |             |             | <u> </u> |             | <u> </u>                                     | 11,1  | 8,1                      |
| L        | NW           | .7          | 1.5         | 1,5               |             |             | <u> </u> |             |             |          |             |  | 3,7   | 5,8                      |
| L        | NNW          | 7           | 2.2         | 1.5               |             |             |          |             |             |          |             |  | 4-4   | 5,5                      |
|          | VARBL        | 1.5         | 7           |                   |             |             |          |             |             | ļ        |             |  | 2,2   | 3,5                      |
|          | CALM         | $\geq \leq$ | $\geq \leq$ | $\geq \leq$       | $\geq \leq$ | $\geq \leq$ |          | $\geq \leq$ | $\geq \leq$ |          | $\geq \leq$ |  | 8,9   |                          |
|          |              | 10.4        | 27.4        | 43.7              | 9.6         |             |          |             |             |          |             |  | 100.0 | 5,7                      |

USAFFTAC  $\frac{\text{FORM}}{\text{AR 64}}$  0-8-5 (OL-1) previous editions of this form are desolete

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### SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OLSERVATIONS)

|                         |            | 5-A11C3      |               | iesy ra                                |          | EATHER         |          |  |                |          |     | 0600     | #T#<br>#08(<br>(L.s.T.) |
|-------------------------|------------|--------------|---------------|--|----------|----------------|----------|--|----------------|----------|-----|----------|-------------------------|
|                         |            |              |               |  | C >#     | Pu*16          |          |  |                |          |     |          |                         |
| SPEED<br>(KNTS)<br>DIR. | 1 - 3      | 4-6          | 7 - 10        | 11 - 16                                | 17 - 21  | 22 - 27        | 26 - 33  | 34 - 40                                      | 41 - 47        | 48 - 55  | ≥56 | * .      | MEA<br>WIN<br>SPEE      |
| N :                     | 1.7        | 5.0          | 1.1           |  |          |                |          |  |                |          |     | 7.5      | 4                       |
| NNE 3                   |            |              |               |  |          |                |          |  |                |          |     |          |                         |
| NE i                    | 2.2        | .6           | 6             |  |          |                |          |  |                |          |     | 3,3      |                         |
| ENE ;                   | 3,3        | 2.8:         |               |  |          |                |          |  | i              |          |     | 6,1      |                         |
| E i                     | .6         | . 61         |               |  |          |                |          |  |                |          |     | 1,11     |                         |
| ESE :                   | 1.1        |              |               |  |          |                |          |  |                |          |     | 1.1:     |                         |
| SE J                    |            |              | :             | ······································ |          | :<br>          |          |  | <u>.</u>       |          |     | <u> </u> |                         |
| SSE !                   | <u> 61</u> |              |               |  |          |                |          |  |                |          |     | 1,1      |                         |
| S I                     |            | بلذل         |               |  |          | ·              | <u></u>  |  | ·<br>          |          |     | 1.7      |                         |
| SSW 🔡                   | اغد        |              |               |  |          | <u>:</u>       |          | ·  | •              |          |     | 2,2      |                         |
| sw !                    |            | <u>lal</u> ! | 111           |  |          | <u> </u>       | ·<br>    |  | <u> </u>       |          |     | 2,2      |                         |
| wsw i                   | 101        | 5,0          | 6.4           | - 6                                    |          | 1              |          | <u>.                                    </u> | <del>}</del>   |          |     | 11,1     |                         |
| <u> </u>                | 3.9        | 6,1          | 3.3           | ,5                                     |          | ·              | <u> </u> |  | <u> </u>       | <u> </u> |     | 13,9     |                         |
| WNW                     | <u>lěl</u> |              | 6             | <del>!</del>                           |          | <del>!</del> - | <br>     |  | <del></del>    |          |     | 2,2      | ;                       |
| NW I                    |            |              |               | <u>!</u>                               |          | !              |          |  | <u> </u>       |          |     |          |                         |
| NNW                     | - 25       | 1.1          |               |  |          | <del></del>    |          |  | <del> </del> - |          |     | 1.1      | - 1                     |
| CALM                    | <u>√</u>   | <u></u>      | $\overline{}$ | $ \leftarrow  olimits$                 | <u> </u> | <u> </u>       |          |  |                |          |     | 43.3     |                         |
| -                       | 17.8       | 25.6         | 12'2          | 1.1                                    |          |                |          |  |                |          |     | 190.0    | 1                       |

USAFETAC FORM 0-8-5 (GL-1) PREVIOUS EDITIONS OF THIS FORM ARE OSSOCITE

## SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

| SIEG         | ENSURG | GERMAN      | AA GONV | ERY RAN    | <u> </u>        | 554    | •70     |                | YEARS  |              |               |             | UG<br>DATE            |
|--------------|--------|-------------|---------|------------|-----------------|--------|---------|----------------|--|--------------|---------------|-------------|-----------------------|
|              |        |             |         | A          | LL HEA          | THER   |         |                |  |              |               |             | -110                  |
|              |        |             |         |            | COSDITIO        | ) t    |         |                |  |              |               |             |                       |
| SPEED (KNTS) | 1 - 3  | 4.4         | 7 - 10  | 11 - 16 1  | 17 - 21 2       | 2 - 27 | 28 - 33 | 34 - 49        | 41 - 47  | 43 - 55      | ≥50           | •           | MEAN<br>WIND<br>SPEED |
| N .          | .5:    | 4.4         | 1.6     |            |                 |        |         |                |  |              |               | 6,6         | 5,                    |
| NNE 🎅        |        |             |         |            |                 |        |         |                |  |              |               |             |                       |
| NE .         |        | 1.6         | . 5     | 5!         |                 |        |         |                |  |              |               | 3,8         | 5                     |
| ENE          |        | يقني        | 1.6     | :          |                 |        |         |                | <u>.                                    </u>     |              |               | 2,8         | 4                     |
| E .          | 2.7!   | 3.3         | 2.7     | 5          |                 |        |         | <u> </u>       |  |              |               | 9,3         |                       |
| ESE F        |        | فبد         | 111     |            |                 |        |         |                | <u> </u>   |              |               |             | 5<br>6<br>4           |
| SE E         |        | المنت       |         | i          |                 |        |         |                |  |              |               | 1,6         |                       |
| SSE #        |        |             |         | <u>:</u> _ |                 |        |         |                | 1  |              |               | 1,6         | •                     |
| _ S _ [      |        | 2.7         | 1.1     |            | <del> </del>    |        |         | <del></del>    | <del> </del>                                     | <del></del>  |               | <u> 494</u> |                       |
| SSW 3        | 5      | <del></del> | ·       |            |                 |        |         | <u> </u>       | <del></del>                                      |              | <del></del>   | 3 5         | 3                     |
| SW F         | - 1001 | 1.6         |         |            |                 |        |         | <del>!</del> - | <del></del>                                      | <del>-</del> | <u>:</u>      | 15.9        |                       |
| wsw [        |        | 7.7         |         | 1.1        | _ <del>_</del>  |        |         |                |  | <del></del>  | <del></del>   | 15.4        | 6<br>5                |
| WW I         | 1,5    | 10.4        |         |            | <del>  </del> - |        |         | <u> </u>       | <del></del> -                                    |              |               | 5,5         |                       |
| NW E         | 1.1    |             | 2,2     |            | <u>-</u>        |        |         | <del></del>    | <del></del> -                                    | <u>:</u>     | <u>:</u>      | 1,6         | <u>6</u>              |
| NNW E        | 2.2    | .5          |         |            |                 |        |         | <del>:</del> - | <del></del> -                                    | <del></del>  | <del></del>   | 2,7         | 4 2                   |
| VARBL E      | 3.8    |             |         |            | <del></del>     |        |         | <del></del>    | <del> </del>                                     | <del></del>  | <del></del> - | 4.4         | 2                     |
| CALM         |        |             |         |            |                 |        |         |                | $\forall$  | <del>`</del> |               | 12.7        |                       |
|              | 20.3   | <u> </u>    | 23'.6   | 2.7        |                 | _      |         |                | <del>                                     </del> |              | <del>i≤</del> | 100.0       | 4.                    |

USAFETAC FORM 0-8-5 (OL-1) PREVIOUS EDITIONS OF THIS FORM ARE CASOLETE

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#### SURFACE WINDS

TOTAL NUMBER OF OBSERVATIONS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

| SIEG              | ENBURG | GERMAN | Y GUN  | VERY RA     | NGE         | 58         | 70      | <del></del> , | ISA83       |  |  |       | UG                    |
|-------------------|--------|--------|--------|-------------|-------------|------------|---------|---------------|-------------|--|--|-------|-----------------------|
|                   | _      |        |        |             | ALL m       | EATHER US  |         |               |             | <del></del>                                    |  | 1200  | #1400                 |
|                   | _      |        |        |             |             | IS(1)(0)   |         |               |             |  |  |       |                       |
| SPEED (KNTS) DIR. | i      | 4-6    | 7 - 10 | 11 - 16     | 17 - 21     | 22 - 27    | 28 - 32 | 34 - 40       | 41 - 47     | 48 - 55  | ≥ss  | •     | MEAN<br>WIND<br>SPEED |
| N                 | _ ,6   | 4,5    | .6     |             |             |            |         |               |             |  |  | 5,6   | 5,3<br>4,5<br>6,0     |
| NNE               |        | _1.1   |        |             |             |            |         |               |             |  |  | 1,1   | 4,5                   |
| NE                |        | 3,4    |        | :           |             |            |         |               |             |  |  | 3,9   | 6,0                   |
| ENE               | ,6     | .6     |        |             |             | :          |         |               | ·           |  |  | 3,4!  | 3,7                   |
| E                 | . 6    |        | ,6     |             |             |            |         |               |             |  | ,  | 7,9   | 5.6<br>7.3            |
| ESE               |        | 1.7    | 1.7    |             |             | <u> </u>   |         |               | i<br>       |  |  | 3,4   | 7,3                   |
| SE :              | . 6    |        | 1.7    |             |             |            |         |               |             |  |  | 3,4   | 5,5<br>6,0<br>6,3     |
| SSE               |        | 6      | ,6     |             |             | l          |         |               | :           | <u>:</u>                                       |  | 1,1   | 6,0                   |
| <u> </u>          |        |        | 2.3    |             |             |            |         |               | ·           |  |  | 6,7   | 0,3                   |
| ssw :             | . 6    |        | 3,9    |             |             | <u> </u>   |         | ·<br>         | !           |  |  | 5,6   | 4.8                   |
| SW §              |        |        |        | !           |             | <u></u>    |         |               |             | :<br>  | <u>.                                    </u> | 4,5   | 0,1                   |
| wsw               | 2,8    | 3,9    | 9.0    | <u> </u>    |             | <u> </u>   |         |               |             | !<br>  | :  | 12,7  | 5,4                   |
| w                 | 111    | 6,2    | 8.4    |             |             | <u></u>    |         |               | !           | !  |  | 13,7  | 0,6                   |
| WWW F             | .6     | 5.6    |        |             |             | <u> </u>   |         |               | :           |  | ;<br>;                                       | 7,3   | 3,4                   |
| NW E              |        |        | 121    |             |             | <u> </u>   |         | <u></u> _     | <u>!</u>    | <u> </u>                                       | <u> </u>                                     | 2,2   | 5,                    |
| NNW E             | 111    |        | .6     | !           |             | Ĺ          |         |               |             | <u>i                                      </u> |  | 1/7   | <u> </u>              |
| VAPBL             | 2.8    | 1.7    |        | Li          |             | <u>!</u> , |         | Ļ,            | Ļ           | <u> </u>                                       | <u></u>                                      | 4,3   | 5,4<br>5,4<br>5,1     |
| CALM              | ><     | ><     | ><     | $\geq \leq$ | $\geq \leq$ |            | ><      | $\geq \leq$   | $\geq \leq$ | $\geq \leq$                                    | ><   | 6,2   |                       |
|                   | 13.5   | 42.7   | 36.0   | 1.7         |             | 1          |         |               |             |  |  | 100:0 | 5.7                   |

USAFETAC 22 64 0-8 5 (OL-1) PREVIOUS CONTIONS OF THES FORM ARE ORSCIETE

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## SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

| SIEG                    | ENBURG   | GERMAN      | YY GUN!     | YERY RA           | NGE         | 68           | 70           |         | TEARS    |             |        |       | US                 |
|-------------------------|----------|-------------|-------------|-------------------|-------------|--------------|--------------|---------|----------|-------------|--------|-------|--------------------|
|                         | _        |             |             |                   | ALL M       | EATHER       |              |         |          | <del></del> |        | 1500  | <u>-17</u>         |
|                         | -        |             |             |                   | ÇĐI         | NEIT109      |              |         |          | · <u></u>   |        |       |                    |
| SPEED<br>(KNTS)<br>DIR. | 1 • 3    | 4 • 6       | 7 - 10      | 11 - 16           | 17 - 21     | 22 - 27      | 26 - 33      | 34 - 40 | 41 - 47  | 43 · 55     | 2.56   | ``    | MEA<br>WIN<br>SPEE |
| N                       | .9       | 1.8         | .9          | ;                 |             |              |              |         |          |             |        | 3.7   | 4                  |
| NNE                     | . 9      |             |             |                   |             |              |              |         |          |             |        | 2,8   | 3                  |
| NE                      | 9        | 3.7         | 1.8         | <del>-</del>      |             | 1            |              |         |          |             |        | 6,4   | -                  |
| ENE                     | 1.8      |             |             | -                 |             | :            |              |         |          |             |        | 5,5   | 4                  |
| Ε                       | 1.8      |             | 2.8         |                   |             | <del></del>  | ·——          |         | -        |             |        | 12,8  |                    |
| ESE                     | . 9      |             |             |                   |             | <del>:</del> |              |         |          |             |        | 4.6   | - 5                |
| \$E                     | !        |             |             |                   |             | i            |              |         |          |             |        |       |                    |
| SSE                     | Ī.       | . 9         |             |                   |             |              |              |         |          |             |        | .9    |                    |
| s                       | 9        |             |             | i -               |             | 1            | <del>:</del> | :       |          |             |        | 4.6   |                    |
| ssw                     | <u> </u> | 1.8         | . 9         | . 9               |             |              | <del></del>  |         | ·        | <del></del> |        | 3.7   |                    |
| sw                      |          |             | 1.8         | .9!               |             |              |              |         |          |             |        | 2.8   | 10                 |
| wsw                     | . , 9    |             | 12.8        |                   |             | i            |              |         | 1        |             |        | 17.4  | 9                  |
| w                       | 1.8      | 3.7         | 4.6         |                   |             |              |              |         |          | !           | -      | 10.1  | (                  |
| WNW                     |          | 6.4         | 1.78        |                   |             |              | i            |         | i        |             |        | 8,3   |                    |
| NW_                     | <u> </u> |             | . 9         |                   |             |              |              | l       | 1        |             |        | 4.6   | -                  |
| NNW                     | .9       |             | . 9         |                   |             |              |              |         |          |             |        | 1,8   |                    |
| VARBL                   | 9        | 2.8         | 1           |                   |             |              | <u> </u>     |         |          |             |        | 3,7   | 4                  |
| CALM                    |          | $\geq \leq$ | $\geq \leq$ | $\supset \subset$ | $\geq \leq$ |              | $\geq$       | $\geq$  | $\geq$   |             | $\geq$ | 6,4   |                    |
|                         | 13.8     | 46.8        | 31.2        | 1.8               |             |              | i            |         | <u> </u> |             |        | 100.0 | _5                 |

USAFETAC FORM 0-8.5 (OL-1) PREVIOUS EDITIONS OF THIS FORM ARE DESOCITE

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#### SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

| SIEG                    | ENBURG        | GERMAN   | Y GUN  | ery R   |  |                   | <u>-70</u>   | <del></del> -,    | m, —         | <del></del>  | <del>-</del> |       | EP<br>- ABOO         |
|-------------------------|---------------|--|--------|---------|--|-------------------|--------------|-------------------|--------------|--------------|--------------|-------|----------------------|
|                         |               |  |        |         | ALL  | EATHER            |              |                   |              |              |              | DBOO  | <u>-080(</u>         |
|                         |               |  |        |         |  | 2:103             |              |                   |              |              |              |       |                      |
| SPEED<br>(KNTS)<br>DIR. | 1-3           | 4.6  |        | 11 - 16 | 17 - 21  | 22 - 27           | :<br>26 - 33 | 34 - 40           | 41 - 47      | 43 - 55      | ≥56          | `     | MA3H<br>CNIW<br>STED |
| N                       |               |  |        |         |  |                   |              |                   |              |              |              |       |                      |
| NNE                     | 1.1           | 2.2  |        |         |  |                   |              |                   |              |              |              | 3.3   | 3.                   |
| NE                      | 1.6           | 2.2  |        |         |  |                   |              |                   |              |              |              | 3.8   | 3,                   |
| ENE !                   | 2.2           | 2.7  |        |         | :  |                   |              |                   |              |              |              | 4,9   | 3,                   |
| ξ                       | _,5           | 2.2  | , 5    |         |  |                   |              |                   |              |              |              | 3,3   | 4,                   |
| ESE ,                   |               |  |        |         |  |                   |              |                   |              |              |              |       |                      |
| SE                      |               | _141   |        |         | -  |                   |              |                   |              |              |              | 1.1   | 4,                   |
| SSE                     | 5             | i  |        |         |  | · · · · · · · · · |              |                   |              |              |              |       | 2.                   |
| S                       | 1,6           | !  |        |         |  | !                 | ·            | <del></del>       |              |              |              | 1,6   | 2,                   |
| SSW                     | 1:1           | 100  |        |         | <u>!</u>   | <u> </u>          | ·            | !<br><del>!</del> | ·            |              |              | 2,7   | 4,                   |
| \$w                     |               | 2,2  | 1.6    |         |  | <u>:</u>          | <u>i</u>     | <u>:</u>          |              |              |              | 4,4   | _ ?,                 |
| wsw                     | 1.1           | 7.7  |        | 1.6     | <u> </u>   | <del>!</del>      | <del></del>  | <del>!</del>      | <u> </u>     | ·            |              | 13.1  | 6,                   |
| w į                     |               | 3.3  | 1.6    |         | <del> </del>                                     | <del>!</del>      | <del>(</del> | <u> </u>          | <u></u>      | !<br>        |              | 0,0   | <u>. 5.</u>          |
| WNW .                   |               |  |        |         | <u></u>  | <del> </del> -    | <del> </del> |                   | <del></del>  | <del>!</del> |              | 1,1   | 2,                   |
| NW i                    | <del></del>   | !  |        |         | <del></del>                                      | <del> </del>      | <del>!</del> | <del></del>       | <del></del>  | <u> </u>     |              |       |                      |
| NNW                     | 5             | <del></del>                                    |        |         | <del> </del>                                     | <del> </del> -    | <del> </del> | <del> </del>      |              |              |              | 5     | _2.                  |
| VARBL                   | <u>_ 1,11</u> | < <u>• • • • • • • • • • • • • • • • • • •</u> |        |         | <del>                                     </del> | $\leftarrow$      | <del> </del> | <b>-</b>          | <del>\</del> | <del>'</del> |              | 1,6   | _ 3.                 |
| CALM                    |               |  | $\geq$ |         |  |                   |              |                   |              |              | $\geq \leq$  | 51,9  |                      |
|                         | 13.7          | 25,7   | 6.6    | 2.2     |  |                   |              |                   |              |              |              | 100-0 | 2.                   |
|                         | . •           | ·  |        |         |  |                   |              |                   | TOTAL NU     | ABER OF OBS  | ERVATIONS    |       | 18                   |

USAFETAC  $\frac{\text{form}}{\text{AX}}$  0-8-5 (OL-1) previous editions of this form are obsolete

#### SURFACE WINDS

TOTAL NUMBER OF OBSERVATIONS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

| 199 | SIEG                   | ENBURG      | GERMAN      | Y GUNA | ERY RAN         | GE_                    | 56:           | 70      |         | Lat)        |             |              |       | E P                      |
|-----|------------------------|-------------|-------------|--------|-----------------|------------------------|---------------|---------|---------|-------------|-------------|--------------|-------|--------------------------|
|     |                        |             |             |        |                 | الم المالية<br>المالية | EATHER        |         |         |             | <del></del> |              | 0900  | ÷1160                    |
|     |                        |             |             |        |                 | ಱ                      | Cot sole      |         |         |             |             |              |       |                          |
|     | SPEED<br>(KNTS)<br>DIR | 1.3         | 4.8         | 7 - 10 | 11 - 16         | 17 - 21                | 22 - 27       | 28 - 33 | 34 - 40 | 41 - 47     | 4\$ · 55    | ≥56          | `     | MEAN<br>WIND<br>SPIED    |
|     | N                      | 1.1:        | 1.6         |        |                 |                        |               |         |         |             | · · · · · · |              | 2,7   | 4.4                      |
|     | NNE                    |             | 1.1         |        |                 |                        |               |         |         |             |             |              | 1.1   | 3,0<br>3,3               |
|     | NE                     | .5          | 2,7         | ,5     |                 |                        |               |         |         | <del></del> |             | <del></del>  | 3,0   | 5,3                      |
|     | ENE                    | 3,2         | 8,1         | 1.6    |                 |                        |               |         |         |             |             |              | 12,9  | 4,5                      |
|     | E                      | 2,7         | 6,5         |        |                 |                        |               |         |         |             |             | :            | 7,1   | 5.2                      |
|     | ESE                    | 1,6         | 3,8         |        |                 |                        |               |         |         |             |             |              | 5,4   | 6,2                      |
|     | SE                     | . 5         | 1.1         | 1.6    |                 |                        |               |         |         |             |             |              | 3,2   | 6,2                      |
|     | SSE                    | , 5         |             | .5     |                 |                        |               |         |         |             |             | 5            | 1,1   | 4,5                      |
|     | 5                      | . 5:        | 1.6         | , 5    |                 |                        |               |         |         |             |             |              | 2/7   | 4,4                      |
|     | \$5W                   | <u> </u>    | 1,6         | . 51   |                 |                        | ·<br>         |         |         |             |             |              | 2,2   | 3,0<br>3,9<br>6,3<br>6,2 |
|     | sw                     | . 5         | 2,7         | 1,1    |                 |                        | <del></del> , |         |         | ·<br>       | ·           |              | 4,3   | 7,7                      |
|     | wsw                    | 1:1         | 3,8         |        | 3,2             |                        |               |         |         |             |             | 2            | 12,4  | 5,3                      |
|     |                        | 2,7         | 7,0         | 4,8    | 5:              | 5                      |               |         |         |             |             |              | 15,6  | 9,4                      |
|     | WWW                    | 2.2         | 2.7         | . 5    |                 |                        | :             |         |         |             | <u> </u>    |              | 5,4   | 4,1                      |
|     | NW                     | <del></del> |             |        | <del></del>     |                        |               |         |         |             |             |              | -     |                          |
|     | NNW                    | . 5         | <del></del> |        | <del> i</del> - |                        |               |         |         |             |             |              | .5    |                          |
|     | CALM CALM              | 2.2         |             |        |                 | ><                     |               | > <     |         |             |             |              | 3,2   |                          |
|     |                        | 19.9        | 45.2        | 16:1   | 3.8             | , 5                    |               |         | >       |             | <del></del> | <del>*</del> | 100.0 | 4,6                      |

TEASETAC SAME 0-6-5 (OL-1) PREVIOUS SECTIONS OF THIS FORM ARE DESCRIPT

in company

186

## SURFACE WINDS

TOTAL NUMBER OF OBSERVATIONS

186.

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

| SIEGE                     | NAURG | GERMAN | Y GUNN       | ERY RA   | NGE_    | 5£            | <u> 70</u>      |        |             |             |             | - <u> </u> | D D                      |
|---------------------------|-------|--------|--------------|----------|---------|---------------|-----------------|--------|-------------|-------------|-------------|------------|--------------------------|
|                           |       |        |              |          | ALL S   | <u>rather</u> |                 |        |             |             |             | 1209       | <u>≈140C</u>             |
|                           | _     |        |              |          | C+      | QCT 604       |                 |        |             |             |             |            |                          |
| SPEED<br>(KNTS) :<br>DIR. | 1 3   | 4 - 5  | 7 - 10       | 11 - 15  | 17 - 21 | 72 - 27       | 25 - 33         | u - a  | 41 - 47     | 43 - 25     | ≥%          | ş          | MEAN<br>WING<br>SHED     |
| N                         | .5    | 1,1    |              |          |         |               |                 |        |             |             |             | 1.5        | •,3                      |
| NNE                       | 1.6.  | 1.1    |              |          |         |               |                 |        |             | <del></del> |             | 2.7        | 3.4<br>5.1<br>0.3        |
| NE ;                      | .5:   | 3.2    | .5           |          |         |               |                 |        |             |             |             | 4,3        | 5,1                      |
| ENE                       | ,5    | 3.2    | 2,2          | ,5       |         |               |                 |        |             |             |             | 6,5        | 0,3                      |
| ξ .                       | 2.7   | 6.5    | 2.7          |          |         |               |                 |        |             |             |             | 11,5       | 3,1                      |
| ESE 🐇                     | lel:  | 3,2    | . 5          |          |         |               |                 |        |             |             |             | 4,8        | 4,8                      |
| SE .                      | . 5.  | 3.2    |              |          |         |               |                 |        |             |             |             | 3,8        | 4.4                      |
| - <del>5</del> 25         |       | 5      |              |          |         |               | - <del></del> - |        |             |             |             |            | 6,0<br>5,9<br>5,3<br>6,2 |
| <u> </u>                  | . 5   | 2.2    |              |          |         | <u></u>       |                 |        |             |             |             | 3,5        | 5,9                      |
| ssw 🖟                     | 5     | _1:1!  | <u>. š</u> : |          |         |               |                 |        |             |             |             | 2,2        | 5,3                      |
| SW E                      | .51   | _1.1   | 161          |          |         |               |                 |        |             |             |             | 2,7        | 5,2                      |
| M2M                       | 1.1   | 5.9    | 8.6i         | 2.2      |         |               |                 |        |             |             |             | 17:7       | 7,2                      |
| a di                      | 111!  | 5,41   | 2,7          | .5:      | 2.2     | <u> </u>      |                 |        |             |             |             | 11,8       | 3,4                      |
| ww j                      |       | 3.8    | للنا         | . 5      |         | ·             | <u>:</u>        |        | -           |             |             | 5,9        | 6.1                      |
| NW [                      | 1.6   | 1,1    | 111          | :        |         |               |                 |        |             |             |             | 3,0        | 4,9                      |
| NNW F                     | 141   | 2,2    |              |          |         |               | -               | -      |             |             |             | 3,2        | 4,0                      |
| MERK                      | 3.2   |        |              |          |         |               |                 |        |             |             |             | 3.2        | 2.3                      |
| CAUA                      |       | $\geq$ | $\geq \leq$  | $\geq <$ | $\geq$  | $\geq \leq$   | $\geq$          | $\geq$ | $\geq \leq$ | ><          | $\geq \leq$ | 9,7        |                          |
| No.                       | ** 71 | 64-6   | 22.0         | 3.8      | 2.2     | i             |                 |        | 1           |             |             | 100.0      | 5.3                      |

KAFETAC SORM 3-8-5 (Ot-1) PRIVATE INTERNAL PER NOT FORWARD CANCEL

EDICES IN 1809 29 to Depth 2 DOUBLE (01-10) 2-8-C U DE TARA

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### SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

| 99 | SIEG                   | ENBURG   | GERMAN |        | ERY RA  | NGE   | 589     | 70      | <del></del> ,                                | 12187       | <del>_</del>  |               |                 | <u> </u>           |
|----|------------------------|----------|--------|--------|---------|-------|---------|---------|--|-------------|---------------|---------------|-----------------|--------------------|
|    |                        | _        |        |        |         | ALL A | EATHER  |         |  |             |               |               | 1500            | <u>-1700</u>       |
|    |                        |          | ··     |        |         |       | <br>    |         |  |             |               |               | -26             |                    |
|    |                        | -        |        |        |         |       |         |         |  |             |               |               |                 |                    |
|    | SPEED<br>(ENTS)<br>DEE | 1 - 3    | 4-6    | 7 - 10 | 11 - 15 | 17 21 | 22 - 27 | 28 - 33 | 34 - 40                                      | e: &        | 4 - 55        | ≥56           | `               | MEAN<br>CHY<br>CHY |
|    | N                      |          |        |        |         |       |         |         |  |             |               |               |                 |                    |
|    | XXE                    |          | 1.7    |        |         |       |         |         |  |             |               |               | 1,17            | 5.C<br>7.C         |
|    | NE_                    |          | 3,4    | , 5    | .8      |       |         |         |  |             |               |               | 5,1             | 7,0                |
|    | ENE                    | 3,4      | 8,5    | . 8    | . 6     |       |         |         |  |             |               |               | 13,6            | 4,9                |
|    | E                      |          | 8,5    | 1.7    |         |       |         |         |  |             |               |               | 11,9            | 5,1                |
|    | EZE                    | 1.7      | 3,4    |        |         |       |         |         | <u>.                                    </u> |             |               |               | 3,1             | 6,0<br>6,0         |
|    | <u> </u>               |          | 1,7    |        |         |       |         |         |  |             | <del></del> - |               | 1,17            | 8,0                |
|    | 225                    |          |        |        |         |       |         |         |  |             |               |               | - <u>- 19</u> - | - <del>0,</del> 0  |
|    | \$                     | 2,5      |        | 1.0    |         |       |         |         |  |             |               | <del></del> - | 705             | 4,0<br>7,2<br>4,0  |
|    | 22.W.                  | <u> </u> | 2,5    | 1.7    | , 8     |       |         |         |  |             |               |               | 1.7             | 45                 |
| -  | 2M                     | 1.7      | 9,2:   | 1.7    | 1.7     |       |         |         |  |             |               |               | 9,31            | 4.0                |
| 1  | W                      | 8.1      | 7.6    | 4.2    |         |       |         |         |  |             |               |               | 19.5            | 6.9<br>5.9         |
|    | www                    |          | . 8:   |        |         |       |         | :       | <del>,</del>                                 |             |               |               | 2.3             | 3.C                |
| Ì  | NW                     |          |        |        |         |       |         |         |  |             |               |               | 2,5             | 5.C                |
|    | NNW                    | . 8      | . 3    |        |         |       |         |         |  | <del></del> |               |               | 3,4             | 5,0                |
| i  | VAREL                  | 4.2      | .5!    |        |         |       | •       |         |  |             |               |               | 3.1             | 3,3                |
|    | CALM                   |          |        | > <    | > <     | > <   | ><      |         | $\overline{}$                                | :><         | <del></del>   | ><            | 6,8             |                    |
|    |                        | 22,9     | 30.0!  | 11.6   | 6.8     |       |         |         | í<br>Í                                       |             | ·             |               | 100.0           | 5,1                |
|    |                        |          |        |        |         |       |         |         |  | TOTAL NU    | MEER OF ORS   | ERVATIONS     |                 | 118                |

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## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS;

| (KNT5) 1-3 4-6 7-10 11-16 17-21 22-27 28-33 34-40 41-47 48-55 % (WINI   | -31EA       | ENBURG      | STATION        | MAR<br>(A. ADMU | KERT_K  |              |              | <u>•</u> 70   |              | EARS           |                |               | -           | CT       |
|---|-------------|-------------|----------------|-----------------|---------|--------------|--------------|---|--------------|----------------|----------------|---------------|-------------|----------|
| SPEED   1-3   |             |             |                |                 |         | APP I        | CHITCH       |   |              |                |                |               | HOUSE       | (L 5 T.) |
| (KNTS) DIR.  N N N E NE SPE  NE SPE  NE SPE  NE SPE  NE SPE  NE SPE  NE SPE  NE SPE  NE SPE SPE SPE SPE SPE SPE SPE SPE SPE SP    |             | _           |                |                 |         | COI          | #0'T'0#      |   |              | <u> </u>       |                |               |             |          |
| N NI E NE   |             |             |                |                 |         |              | 1            |   | 1            |                |                | <del></del> , | · · · · ·   | MEAN     |
| NI E  |             | 1.3         | 4.0            | 7.10            | 11 - 10 | 17 - 21      | 22 - 27      | 10 . 33   | 34 - 40      | 41 - 4/        | 45 - 55        | •             | •           | SPEEC    |
| NI E  | N d         |             | <del></del>    | <del></del> -   |         | <u></u> -    |              |   | •            |                |                |               | <del></del> |          |
| ENE 2 1 1 0 3 1 4 7 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5   |             | <del></del> |                |                 |         |              | 1            |   |              | <del></del>    |                | ·             |             |          |
| ENE 2 1 1 0 3 1 4 7 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5   | NE          | .51         | 1.0            | .5              |         |              | 1            | 1   | 1            | <del></del>    | <del></del>    | ·             |             | 4        |
| E 130 3,1 4,7 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5   | ENE         | 2.1         | 1.0            |                 |         |              | 1            | 1   | !            | l              | ·              | 1             | 3,1         | 3        |
| ESE   | E i         | 1.0         | 3.1            |                 |         |              | i            |   |              |                | ,              | !             | 4,7         | 4        |
| SE  | ESE         | . 5         |                |                 |         |              |              |   |              |                | 1              |               | , 5         | 3        |
| SSW 2.1 .5 .2 .5 .2 .5 .5 .5 .5 .5 .5 .5 .5 .5 .5 .5 .5 .5  | SE          | . 5         |                | 1.6             |         |              |              | <u> </u>  |              |                | I              |               | 2,1         | 7        |
| SSW 2.1 2.6 3.7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7   | SSE         | 1           |                |                 |         |              |              |   |              |                | 1              |               | , 5         | 7        |
| SSW 2.1 0 2.6   | S ,         |             | 2.1            |                 |         |              | <u> </u>     | <u></u>   |              | <u> </u>       | <u> </u>       |               | 2,6         |          |
| WSW 1.0 5.8 5.5 2.1 1.0 12.6 6 4.7 3.1 1.0 12.6 6 6 7 7 3.1 1.0 12.6 6 6 7 7 7 3.1 1.0 12.6 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 | ssw         |             | 2.1            |                 |         | !            |              | <u> </u>  |              | <u> </u>       | <u> </u>       |               | _ 6 3 _     | 5        |
| W 2.6 4,7 3.1 1.6 3.5 4 3.7 3.1 1.0 3.5 4 3.7 3.1 3.0 3.1 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0                                 | sw          |             | 1.0            | 2.6             |         |              | . <b>!</b>   | <u> </u>  | <u> </u>     | ļ              | <del> </del>   | <u> </u>      |             |          |
| WRW 1.0 .5 .5 .5  | <del></del> | 1.0         |                | 5,8             | _ 2.1   |              | <u> </u>     | ļ   |              | <u> </u>       | <u> </u>       |               | 34,5        |          |
| NNW 9.5 1.0 2 2 CALM 48.7   |             | 2.0         |                | 3.1             |         | <del> </del> | <u> </u>     | <del></del> _   | <u> </u>     | <del> </del> - | <u> </u>       | ļ             | 7867        |          |
| NNW   |             | <del></del> |                |                 |         | <del></del>  | <del> </del> | <u> </u>  | <del> </del> | <del> </del>   | ļ              | <del> </del>  | 122         |          |
| CALM 48,7   |             | <u> 160</u> | <del></del> -  |                 |         | <u> </u>     | <del> </del> | <del> </del>  | <del> </del> | <del> </del>   | ├              | <del></del>   | ال و ه      |          |
| CALM 48,17  |             |             | 2              |                 |         | <del> </del> | ┼            | <del> </del>  | <del> </del> | <del> </del> - | <del> </del> - | <del>- </del> | 100         |          |
|   | <del></del> | 1.0         | $ \leftarrow $ |                 |         |              | $\forall $   | トフ  |              |                |                | +             | 48.7        |          |
| 11,0 22,0 14,5 3,7 1 1 100,0 3  | CVIN        |             |                |                 |         |              |              | $\vdash \!$ |              |                |                |               |             |          |
|   |             | 11.0        | 22.0           | 1461            | 3.7     |              | <u> </u>     | <u> </u>  | <u> </u>     | <u> </u>       | <u> </u>       |               | 100.0       | 3        |

USAFETAC  $\frac{\text{FOF '1}}{\text{AP' od}}$  0.8.5 (OL-1) revious editions of this form are obsolete

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## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED
(; COM HOURLY OBSERVATIONS)

| SIEG                    | SNBURG | GERMAN     | AX GUNI | NERY R      |          | 69<br>EATHER |             |  | 7EA 8 \$    |  |          | 0900  | CT<br>mil         |
|-------------------------|--------|------------|---------|-------------|----------|--------------|-------------|--|-------------|--|----------|-------|-------------------|
|                         |        |            |         |             |          | NOITION      |             |  |             |  |          |       | , (, , ,          |
| SPEED<br>(KNTS)<br>DIR. | 1 - 3  | 4 - 6      | 7 - 10  | 11 - 16     | 17 - 21  | 22 - 27      | 28 - 33     | 34 - 40  | 41 - 47     | 48 - 55  | ≥56      | *     | ME.<br>WII<br>SPE |
| N                       | .5     |            |         |             | <u> </u> | :            | ,           | <del>!</del>                                     | <del></del> | <del>-                                    </del> |          | . 5   |                   |
| NNE                     |        |            |         |             | i        |              |             | <u> </u>   | i           |  |          |       |                   |
| NE                      | 1.0    | 1.5        | . 5     |             |          |              |             | 1  |             | 1  |          | 3,1   |                   |
| ENE                     | 3.1    | 1.5<br>3.1 |         |             |          | Ī            | 1           |  |             |  |          | .6.2  |                   |
| E                       | 1.5    | 5.6        | 1.5     |             | i        |              | <b> </b>    | T  |             | 1  |          | ·6.2  | _                 |
| ESE                     | . 5    | 1.0        | 1.0     |             |          | 1            |             | <del>                                     </del> | 1           |  |          | 2,6   |                   |
| SE                      | 1.5    | 1.0        | 1.3     |             |          |              | T           |  |             | <u> </u>   |          | 4,1   |                   |
| \$SE (                  |        |            |         |             |          | <u> </u>     |             | T  | i           |  |          | 1     |                   |
| S                       |        |            |         | i           |          |              |             |  |             |  |          |       |                   |
| ssw                     |        |            | . 5     |             |          | 1            |             |  | 1           |  |          | . 5   |                   |
| sw                      |        | 1.0        | 11.8    |             | 1        |              |             |  |             |  |          | 2,6   |                   |
| wsw                     | . 5    | 3.6<br>7.7 | 11.8    | 3.6         |          |              |             |  |             |  |          | 19,5  |                   |
| w                       | . 5    | 7.7        | 4.6     | 4.1         |          | <u> </u>     | <u> </u>    |  |             |  |          | 20.0  |                   |
| WNW                     | _ ,5   |            |         | L           |          |              | <u> </u>    |  |             |  |          | . 5   |                   |
| NW                      |        |            | 5       |             | <u></u>  |              | <u></u>     |  | <u> </u>    |  |          | , 5   |                   |
| NNW                     |        | 2.5        |         |             |          | <u> </u>     |             |  |             |  |          | 2,5   |                   |
| VARBL                   | 2.6    | <u></u>    |         | Ļ           |          | L            | Ļ,          | <u> </u>   | <u>L</u> ,  | <u>.</u>   |          | 2,6   |                   |
| CALM                    | ><     | ><\        | ><      | $\geq \leq$ |          |              | $\geq \leq$ | ><   | ><          |  | ><,      | 29,2  |                   |
|                         | 12.3   | 27.2       | 23.6    | 7.7         |          |              |             |  |             |  | <u> </u> | 100.0 |                   |

#### SURFACE WINDS

TOTAL NUMBER OF OBSERVATIONS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

| 99 SIEG                 | ENBURG   | GERMAN | Y GUN    | IERY RA | NGE         | 68       | 70       | <del></del> | TA45     |             |      |       | C T                   |
|-------------------------|----------|--------|----------|---------|-------------|----------|----------|-------------|----------|-------------|------|-------|-----------------------|
|                         | _        |        |          |         | ALL         | BATHER   |          |             |          |             |      | 1200  | =140C                 |
|                         | _        |        |          |         | co          | PROITION |          |             |          |             |      |       |                       |
| SPEED<br>(KNTS)<br>DIR. | 1 - 3    | 4-6    | 7 - 10   | ** - 16 | 17 - 21     | 22 - 27  | 28 - 33  | 34 - 40     | 41 - 47  | 48 - 55     | ≥ 56 | * .   | MEAN<br>WIND<br>SPEED |
| N ii                    | 1.0      |        |          |         |             |          |          | i           |          |             |      | 2.1   | 3,8<br>4,0<br>7,5     |
| NNE                     |          | . 5    |          |         |             |          |          | ‡<br>1      |          |             |      | . 5   | 4.0                   |
| NE                      | i        |        | 1.0      |         |             |          |          |             | i — —    |             |      | 0 و ا | 7,5                   |
| ENE                     | 2.1      | 4,7    | , 5      |         |             | <u> </u> | ·        | <u> </u>    |          |             |      | 7,3   | 5,3                   |
| E                       | 2.1      | 2,6    | 1,6      |         |             |          | f        |             |          |             |      | 6,2   | 5,3                   |
| ESE                     | 2.1      | 1.6    | 1.0      |         |             | 1        |          | <u> </u>    |          |             | !    | 4,71  | 4,1                   |
| SE                      |          | 2.1    |          |         |             |          | <u> </u> |             |          |             |      | 2,1   | 4,8                   |
| SSE                     |          | 1.6    | . 5      |         |             |          |          |             |          |             |      | 2,1   | 5 1<br>2.0<br>5.5     |
| S                       | . 5      |        |          |         |             |          |          |             |          |             |      | , 5   | 2,0                   |
| ssw                     | . 5      | 1.0    |          |         |             |          |          | <u> </u>    |          |             | ·    | 2,1   | 5,5                   |
| sw_                     |          |        | . 5      | 1.0     |             | 1        |          |             |          |             | 1    | 1,6   | 11.3                  |
| wsw                     | 1,6      | 3,1    | 6.2      | 2,6     |             | 51       | l        |             |          |             | ii   | 14,1  |                       |
| w                       | . 5      | 6.8    | 9,4      | 5.2     |             | 1        |          |             | <u> </u> |             | l li | 21,9  | 8,6                   |
| WNW                     |          | 1,00   | 323      |         |             | .1       | I        |             |          |             | 1 1  | 3,6   | 7,4                   |
| NW                      |          | 2.1    |          |         | l           |          |          |             |          |             | 1    | 2,1   | 4,8                   |
| NNW                     |          | 1.6    | . 5      |         |             | T        |          |             |          |             | !    | 2,1   | 6,3                   |
| VARBL                   | 3.6      |        | . 5      |         |             |          |          |             |          |             |      | 4,2   | 6,3<br>3,0            |
| CALM                    | $\geq <$ | ><     | $\geq <$ |         | $\geq \leq$ |          |          |             |          | $\geq$      | ><   | 21.9  |                       |
|                         | 14,6     | 29.7   | 24:5     | 8.9     | ,           | 5        |          | ]           |          | <del></del> |      | 100.0 | 5.2                   |

USAFETAC FORM 0-8.5 (OL-1) PREVIOUS EDITIONS OF THIS FORM ARE DESOLETE

est for stately

### SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

|                |      |             |            |             | ALL N       | EATHER    |             |             |          |             |      | _1   |
|----------------|------|-------------|------------|-------------|-------------|-----------|-------------|-------------|----------|-------------|------|--|
|                |      |             |            |             | ć           | LASS      |             |             |          |             |      |  |
|                | _    |             |            |             | con         | DITION    |             |             |          | <del></del> |      |  |
| SPEED          |      | <del></del> |            |             |             |           | <del></del> |             | •        | i           |      | <del>,                                      </del> |
| (KNTS)<br>DIR. | 1-3  | 4-6         | 7 - 10     | 11 - 16     | 17 - 21     | 22 - 27   | 28 - 33     | 34 - 40     | 41 - 47  | 48 - 55     | ≥ 56 | , •  |
| н              | 1.0  |             |            |             |             | Ī         | ;           |             | 1        |             |      |  |
| NNE            |      | 2.1         | 1.0        |             |             | L         | <u> </u>    |             |          |             |      |  |
| NE             | 3.1  |             |            |             |             |           |             |             | •        |             |      |  |
| ENE            | 2.1  | 3.1         | 1.0        |             |             |           |             |             |          |             |      |  |
| E              | 1.0  | 1.0         | 1.0        |             |             |           |             |             |          |             |      |  |
| ESE            | 1.0  | 3,1         | 2.1        |             |             | Ì         | !           |             | i        |             |      |  |
| SE             |      | 3.1         |            |             |             |           |             |             |          |             | _    | i ,  |
| SSE            |      | i           |            |             |             |           |             |             | <u> </u> |             |      |  |
| S              |      | 1.0         |            |             |             |           | <u></u>     | L           |          |             |      |  |
| ssw            |      |             |            |             |             |           | <u></u>     |             |          |             |      |  |
| sw             | 1.0  |             |            | 1,0         |             | <u></u> _ |             |             |          |             |      | 7  |
| wsw            | 1.0  | 5.2         | 5,2<br>5,2 | 1.0         |             |           |             |             |          | <u> </u>    |      | . 1  |
| w              | 3.1  | 13,5        | 5,2        | 1.0         |             |           | <u> </u>    | <u> </u>    | <u> </u> | <u> </u>    |      | 2  |
| WNW            |      | 5.2         | 4.2        |             |             |           | <u> </u>    | <u> </u>    | <u> </u> | <u> </u>    |      | 1  |
| NW             |      | 1.0         |            |             |             | <u> </u>  |             |             |          |             |      | <u> </u>   |
| NNW            | 1.0  | 1.0         |            |             |             | <u> </u>  |             | <u> </u>    |          | <u> </u>    |      |  |
| VARBL          | 3.1  | 1.0         | ا          |             |             |           | <u> </u>    | <u> </u>    | <u> </u> | <u> </u>    | L    |  |
| CALM           |      | ><          | ><         | $\geq \leq$ | $\geq \leq$ |           | $\geq \leq$ | $\geq \leq$ |          |             | ><   | 1  |
|                | 1777 | 40.6        | 19'.8      | 3.1         |             |           |             |             |          | T           |      | 100  |

TOTAL NUMBER OF OBSERVATIONS 96

USAFETAC FORM 0 8-5 (OL-1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

| SIEC                    | SENBURG | STATION       | Y GUNN      | VERY_RA     |             |              | •70         |              | EACS             |  |             | •     | V DV                            |
|-------------------------|---------|---------------|-------------|-------------|-------------|--------------|-------------|--------------|------------------|--|-------------|-------|---------------------------------|
|                         |         |               |             |             | ALL N       | EATHER       |             |              |                  |  |             | 0600  | 0030 <del>=</del> 0€00          |
|                         |         |               |             |             | ¢6×         | DITION       |             |              |                  | <del>-</del>                                     |             |       |                                 |
| SPEED<br>(KNTS)<br>DIR. | 1 - 3   | 4-6           | 7 - 10      | 11 - 16     | 17 - 21     | 22 - 27      | 28 - 33     | 34 - 40      | 41 - 47          | 49 - 55  | ≥ 56        | *     | MEAN<br>WIND<br>SPEED           |
| N                       | ;       | ,81           |             |             |             |              | r           |              |                  |  |             | . 8   | 5.0                             |
| NNE                     | B       | 8 .           |             |             |             |              |             |              |                  |  |             | 1.7   | 3.0                             |
| NE                      | 1.7     |               | 2.5         |             |             |              |             |              |                  |  |             | 4,2   | 5.6<br>6.5<br>4.1               |
| ENE                     | 8.      | 8             | 1.7         |             |             |              |             |              |                  | !  |             | 3,4   | 6,5                             |
| E                       | 2,5     | 3,4           |             |             |             |              |             |              |                  | <del>                                     </del> |             | 3,9   | 401                             |
| ESE                     | 2.5     | 5.9           |             |             |             |              |             |              |                  |  |             | 8,4   | 3,7                             |
| SE                      |         | <del></del> - |             |             |             |              |             |              |                  | !!   |             | 8     | 2.0                             |
| SSE                     | 8       |               |             |             |             | <del> </del> |             |              |                  | <del>  </del>                                    |             | 1,7   | 3.0                             |
| ssw                     | 2.5     | 2,5           |             |             |             |              |             |              |                  | <del>  </del>                                    |             | 5.0   | 3.3                             |
| SW                      |         | . 8           |             |             |             | <b></b> -    |             | <del> </del> | - <del>-</del> - | <del>                                     </del> |             | . 8   | 2.0<br>5.0<br>6.8<br>7.2<br>6.3 |
| wsw                     | 1.7     | 2.5           | 5.9         | 2.5         | . 8         | ļ ——— -      |             |              |                  | <del>  </del>                                    |             | 13.4  | 8.8                             |
| w                       | 8.      | 5,0           | 5.0         | . 8         |             |              |             |              |                  |  |             | 12.6  | 7.2                             |
| WWW                     | . 8     | .5            | 1.7         |             |             |              |             |              |                  | 1  |             | 3.4   | 6.3                             |
| NW                      |         |               |             |             |             |              |             |              |                  |  |             |       |                                 |
| мии                     |         | . 8           |             |             |             |              |             |              |                  |  |             | 8     | 5.0                             |
| VARBL                   | . 8     |               |             |             |             | L            | <u></u>     |              |                  |  |             | . 8   | 3.0                             |
| CALM                    |         | $\geq \leq$   | $\geq \leq$ | $\geq \leq$ | $\geq \leq$ | $\geq \leq$  | $\geq \leq$ | $\geq \leq$  | $\geq \leq$      |  | $\geq \leq$ | 35,3  |                                 |
|                         | 17.6    | 25,2          | 17.6        | 3,4         | . 8         |              |             |              |                  |  |             | 100.0 | 3.8                             |
|                         |         | •             |             |             |             |              |             |              | TOTAL NU         | MBER OF OBS                                      | ERVATIONS   |       | 110                             |

USAFETAC FORM 6 8-5 (OL-1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

AND PROPERTY.

### SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

|          |                         |          |                |               |         |             | 68   |         | 1           | EARS         |  |          |       | DV                         |
|----------|-------------------------|----------|----------------|---------------|---------|-------------|--|---------|-------------|--------------|--|----------|-------|----------------------------|
|          |                         | -        |                |               |         | ALL M       | EATHER   |         |             |              |  |          | 0900  | <del>~11(</del>            |
|          |                         | -        |                |               |         | CON         | DITION   |         |             |              | _  |          |       |                            |
|          | SPEED<br>(KNTS)<br>DIR. | , 1 · 3  | 4 - 6          | 7 - 10        | 11 - 16 | 17 - 21     | 22 - 27  | 28 - 33 |             | . 41 - 47    | 48 - 55  | ≥ 56     | *     | MEAI<br>WINI<br>SPEEI      |
|          | N                       | . 8      | 2.5            |               |         |             |  |         |             |              |  |          | 3,3   | 3<br>8<br>7                |
|          | NNE                     |          | . 8            |               | S.      |             | ·  |         |             | <del></del>  | <del></del>                                    |          | 1,7   | 8                          |
|          | -E                      | !        | 1.7            | 1.7           |         |             |  |         |             | !            |  |          | 3,3   | 7                          |
| t_       | LIN                     | 1.7      | 1,7            |               | . 6     |             | !  |         |             | 1            |  |          | 5,0   | 6                          |
|          | E                       | 2.5      | 4,1            | , 8           |         |             |  |         |             |              | ,  |          | 7,4   | 4                          |
| L        | ESE                     |          |                |               | 1       |             | ſ  |         |             | !            |  |          | 2,5   | 4                          |
| L        | SE                      | i        | 3,3            |               |         |             | !  |         |             | 1            | !  |          | 3,3   | 4                          |
| L        | SSE                     | 2,5      | 1,7            |               |         |             | !  |         |             | <u>i</u>     |  |          | 9.1   | 3                          |
| L.       | <u> </u>                | 1.7      |                |               | !       |             | <u> </u>   |         | <u> </u>    | <u>i</u>     | <u> </u>                                       |          | 4,1   | <u>•</u>                   |
| L        | SSW                     |          | 1.7            |               |         |             | <u> </u>   |         |             | !            | !  |          | 1,7   | 5                          |
| -        | SW                      | <u> </u> | 1,7            | 5 8<br>3 3    |         |             | i<br>  |         |             | <b> </b>     | <u>                                       </u> |          | 2,5   |                            |
| -        | WSW                     | <u></u>  | 6,6            | 5,8           | 3,3     | 1.7         |  |         |             | <u> </u>     | <del> </del> -                                 |          | 1700  |                            |
| -        | W                       | . 8      |                | 3.3           |         |             | <u>!</u>   |         |             | <del> </del> | <del> </del>                                   |          | 12,4  |                            |
| <br> -   | WWW                     | . 8      | 1.7            |               |         |             | <u> </u>   |         |             | <del> </del> | <del> </del>                                   |          | 2,5   | 5<br>5<br>9<br>5<br>4<br>3 |
| -        | NW                      | .6       | . 8            |               |         |             | <del> </del>                                     |         | <u> </u>    | <del> </del> | <del> </del> -                                 |          | 1,7   |                            |
| <u> </u> | мим                     |          | <del>-</del> - |               |         |             | ļ  |         |             | <del> </del> | <del> </del> -                                 |          |       |                            |
| <b>-</b> | VARBL                   | .8       | .8             | $\overline{}$ |         |             | <del>                                     </del> | <       | <del></del> | <del>-</del> | $\leftarrow$                                   | <u></u>  | 1,7   | 4                          |
| L        | CALM                    |          |                |               |         | $\geq \leq$ |  |         |             |              |  | $\geq >$ | 25,6  |                            |
| Γ        |                         | 13.2     | 41.3           | 13.2          | 5.0     | 1.7         |  |         |             |              |  |          | 100.0 | - 4                        |

USAFETAC FORM 0 8-5 (OL-1) PREVIOUS DITIONS OF THIS FORM ARE C"SOLETE

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

| SIEG                    | ENBURG | GERMAN | YY GUN! | NERY RA |         | 68          | -70                                   |              | TEARS       |              |      |       | -140                  |
|-------------------------|--------|--------|---------|---------|---------|-------------|---------------------------------------|--------------|-------------|--------------|------|-------|-----------------------|
|                         |        |        |         |         |         | HOITIGH     |                                       |              |             |              |      |       |                       |
| SPEED<br>(KNTS)<br>DIR. | 1 - 3  | 4 - 6  | 7 - 10  | 11 - 16 | 17 - 21 | 22 - 27     | 28 - 33                               | 34 - 40      | 41 - 47     | 48 - 55      | ≥ 56 | •     | MEAN<br>WIND<br>SPEED |
| N                       |        |        | 9       |         |         | <del></del> |                                       |              | *           |              |      | , 5   | 7.                    |
| NNE                     | . 9    | 2.6    |         |         |         | <del></del> | :                                     | :            |             |              |      | 3,5   | 5,<br>7,<br>5,        |
| NE                      |        | 1.7    | 1.7     | . 9     |         | i           |                                       | <del>}</del> | Ī           |              |      | 4,3   | 7.                    |
| ENE !                   | 2.6    | . 9    | 3,5     |         |         | 1           | · · · · · · · · · · · · · · · · · · · |              | 1           |              |      | 7.0   | 3                     |
| Ε                       | 2.6    | 4,3    |         | .9      |         | <del></del> | ·———                                  |              | 1           |              |      | 8.7   | 3                     |
| ESE                     | 1.7    | .9     | 9       |         |         | 1           |                                       | <del></del>  | i –         |              |      | 3,5   | 6,                    |
| SE                      | .91    | 2.6    | 9       |         |         | T           | ;                                     | <del></del>  | <del></del> | 1            |      | 4,3   | 5                     |
| SSE                     | 1.7    | 2.6    |         |         |         |             | <del></del>                           | :            | ī           |              |      | 4,3   | 4                     |
| S                       | .91    |        |         |         |         | ī           |                                       |              |             |              |      | 4,3   | 4                     |
| ssw                     |        | 3.7    |         |         |         | T           |                                       |              | Ī           |              |      | 1.7   | 4                     |
| sw                      |        | .9     |         |         |         | T           |                                       |              | 1           |              |      | . 5   | 6                     |
| wsw                     |        | 7.8    | 4.3     | 6.1     |         | 1           |                                       | 1            |             |              |      | 18,3  | 8                     |
| w                       | 3.5    | 1.7    | 7.0     |         |         | T           |                                       | l            | 1           | i            |      | 19.1  | 5.                    |
| WWW I                   | 1.7    | 2.6    |         |         |         | T           |                                       | <u> </u>     |             |              |      | 4,3   | 3                     |
| NW                      | 9      |        |         |         |         | 1           |                                       |              |             |              |      | 1.7   | 3                     |
| NNW                     | . 9    |        |         |         |         |             |                                       | i            |             |              |      | 1.7   | 4                     |
| VARBL                   |        |        |         |         |         | T -         |                                       |              | T           | i            |      | 4     |                       |
| CALM                    | ><     |        | ><      |         | >       |             | $\triangleright <$                    |              | $\supset <$ |              | ><   | 11.3  |                       |
|                         | 18.3   | 42'.6  | 20.0    | 7.8     |         |             |                                       |              |             |              |      | 100.0 | 3                     |
|                         |        |        |         |         |         |             |                                       |              | TOTAL NU    | NBER OF OBSE |      |       | 1                     |

USAFETAC FORM 0-8-5 (OL-1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

1

#### SURFACE WINDS

TOTAL NUMBER OF OBSERVATIONS

49

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

| _ <u> </u>              | GENBU       | IRG    | GERMAN<br>STATION | Y GUNN | ERY R   | ANGE      | 68        | <del>-</del> 70                               |          | IEAP3       |   |       |             | DV.                   |
|-------------------------|-------------|--------|-------------------|--------|---------|-----------|-----------|---|----------|-------------|---|-------|-------------|-----------------------|
|                         |             | _      |                   |        |         |           | WEATHER   |   |          | <del></del> | <del></del>                               |       | 1300        | -170                  |
|                         |             | _      |                   |        |         |           | COND.TION |   |          |             |   |       |             |                       |
| SPEED<br>(KNTS)<br>DIR. | 1 -         | 3      | 4-6               | 7 - 10 | 11 - 16 | , 17 - 21 | 22 - 27   | 28 - 33                                       | 34 - 40  | 41 - 47     | 48 - 55                                   | ≥56   | · · · · · · | MEAN<br>WIND<br>SPEED |
| N                       |             |        |                   |        |         |           |           |   |          |             |   |       |             |                       |
| NNE                     |             |        |                   |        |         |           |           |   |          |             |   |       |             |                       |
| NE                      |             |        | 8,2               | 2.0    |         | I         |           |   | ·        |             |   |       | 10,2        | -3,                   |
| ENE                     | <u>'</u> '  | !      |                   | 2,0    |         | ,         | :         |   | 1        | :           |   |       | 2,0         | 10,                   |
| E                       |             |        | 6.1               |        |         |           | 1         |   | <u> </u> |             |   |       | 5,1         | 3,                    |
| ESE                     | li          |        |                   |        |         | <u>!</u>  | i         | ·<br>   |          |             |   |       | <u> </u>    |                       |
| SE                      |             | 2.01   |                   |        |         |           |           |   |          |             |   |       | 2,0         | 7                     |
| SSE                     | -!          |        | 6.1               |        |         |           |           |   |          | 1           |   |       | 6,1         |                       |
| S                       | <u>ii 4</u> |        | !                 |        |         | <u> </u>  |           | <u>i                                     </u> |          |             | <del></del>                               |       | 4,1         |                       |
| ssw                     | <u> </u>    |        | 4,1               | !      |         | <u> </u>  | 1         | ·   |          | :<br>       |   |       | 4,1         | •                     |
| sw                      | <u> </u>    | 2.0    | 2,0               |        |         |           |           | i   | <u> </u> | <u>!</u>    | <u> </u>                                  |       | 4,1         | 5<br>2<br>4<br>3      |
| wsw                     |             | 3.0    | 2,0               |        |         | <u> </u>  | _         | <u> </u>                                      | <u> </u> | <u> </u>    | <del></del>                               |       | 14,3        |                       |
| w                       |             | 111    |                   | 6.1    |         | <u> </u>  | _!        | <u> </u>                                      |          | !<br>       |   |       | 16,3        | 6                     |
| WNW                     | _           | ļ      |                   |        |         |           | _!        | <u> </u>                                      | <u> </u> | <u> </u>    | <b>!</b>                                  |       | <u> </u>    |                       |
| NW                      |             |        |                   |        |         |           |           | <u> </u>                                      | <u> </u> | <u></u>     | :   |       | <u> </u>    |                       |
| NNW                     | _ <u> </u>  |        | 2.0               |        |         | 1         |           | <u> </u>                                      |          | <u> </u>    |   | ·<br> | 0.5         | 4                     |
| VARBL                   |             | 2.0    |                   | ارا    |         | <u></u>   | J,        | Ļ,  | <u> </u> | <u> </u>    | !<br>************************************ |       | 2.0         | 2,                    |
| CALM                    |             | $\leq$ | ><                | ><     | ><      |           | <         | ><  | ><       | ><          |   | ><    | 26,5        |                       |
|                         | 10          | 6.3    | 36.7              | 20.4   |         | T         | <u> </u>  | T   | <u> </u> |             |   |       | 100,0       | 4,                    |

USAFETAC FORM 0-8-5 (OL-1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

|                        | _        | STATION       | 41AL   | NERY RA           |         | 58               |         |                | YEARS              |  |             | 0650        | •080€                  |
|------------------------|----------|---------------|--------|-------------------|---------|------------------|---------|----------------|--------------------|--|-------------|-------------|------------------------|
|                        |          |               |        |                   |         | TEASS<br>NOTTION |         |                |                    | ······································ |             | RÓG RE      | (L \$ T )              |
| SPEED<br>(KNTS)<br>DIR | 1 - 3    | 4 - 6         | 7 - 10 | 11 - 16           | 17 - 21 | 22 - 27          | 28 - 33 | 34 - 40        | 41 - 47            | 48 - 55                                | ≥ 56        | `           | MABA.<br>DAIW<br>CBB98 |
| N                      | 7        |               |        |                   |         |                  |         |                |                    |  |             | .7          | 2,                     |
| NNE                    | 7        |               |        |                   |         |                  |         |                |                    |  |             | <u> 7</u> . |                        |
| NE<br>ENE              | . 7      | 1 4:          | 2 0    | <del></del>       |         |                  |         |                |                    |  |             | 4,3:        | 6,                     |
| E                      | 2,9      | 7,9           | 2,9    |                   |         |                  |         |                |                    | <del></del>                            |             | 11,4        | 4                      |
| ESE                    | 2.9      |               |        |                   |         | • —              |         | •              | <del></del>        |  |             | 3.6         |                        |
| SE                     | . 7      |               |        |                   |         | <del> </del>     |         |                |                    | <del></del>                            |             | 7           | 3                      |
| SSE                    | ,7       |               |        |                   |         |                  |         |                |                    |  |             | 7           | 2                      |
| <u> </u>               |          | 1,41          |        |                   |         | ·                |         |                |                    |  |             | 1,4         | 8                      |
| SSW                    |          | 104!          | .7     |                   |         |                  |         |                |                    |  | <del></del> | 2,9         | - 8                    |
| SW                     | 104      |               |        | ,7                |         |                  |         |                |                    |  | -           | 2,9         | 5                      |
| wsw<br>w               |          | 2.9           | 2.4    | ·                 |         |                  |         |                | <del></del>        |  |             | 5.4         | 4                      |
| WNW                    | <u> </u> | <u> </u>      |        | <del></del>       |         | :                |         |                | -                  | <del></del>                            |             |             |                        |
| NW                     | Ę        | <del> :</del> |        | <del> </del>      |         | :                |         | <del>!</del> - | <del></del> -      |  |             | i           |                        |
| NNW                    | ſ        | <del></del>   |        |                   |         | :                |         |                | <u> </u>           |  | 1           |             |                        |
| VARBL                  | 7        | 1.4           |        |                   |         |                  |         |                |                    |  | 1           | 2,1         | 3                      |
| CALM                   |          |               | ><     | $\supset \subset$ | ><      |                  | ><      |                | $\triangleright <$ |  | ><          | 56,4        |                        |
|                        | 12.1     | 24.3          | 5'.7   | 1.4               |         |                  |         |                |                    |  |             | 100.0       | 2,                     |
|                        |          |               |        |                   |         |                  |         |                | TOTAL NU           | ABER OF OBS                            | ERVATIONS   |             | 1                      |

USAFETAC FORM 0-8-5 (OL-1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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#### SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

| . <u>"31cn</u>          | ENBURG<br>—   | STATION       | MARE         | IRKI N  |               | EATHER                                       |             | ,             | (AP)         | . M. Mari      |             | <u></u> | EC<br>elic            |
|-------------------------|---------------|---------------|--------------|---------|---------------|--|-------------|---------------|--------------|----------------|-------------|---------|-----------------------|
|                         |               |               |              |         | con           | *O1710*                                      |             |               |              | <del></del>    |             |         |                       |
| SPEED<br>(KNTS)<br>DIR. | 1 - 3         | 4.6           | 7 - 10       | 11 - 16 | 17 - 21       | 22 - 27                                      | 28 - 33     | 3~ 4T         | 41 - 47      | 48 · 55        | ≥56         | • •     | MEA!<br>WIN!<br>SPEE! |
| N N                     |               |               |              |         |               |  |             |               |              |                |             |         |                       |
| NNE                     |               | <del>i</del>  |              |         |               | <del></del>                                  |             | <del></del> - |              |                |             |         |                       |
| NE NE                   | . 7           | 2.2           |              |         |               |  | •           |               |              |                |             | 3,0     | 4                     |
| ENE '                   |               | 2.2           | 2.2          |         |               | <del></del> -                                |             | <del></del>   | <del></del>  |                |             | 5,2     | <del></del>           |
| E ;                     | 2.2           | 5,9           | 2.2          |         |               | :  |             |               |              |                |             | 10.4    | 6                     |
| ESE 3                   | - 646<br>i7   | 2.2           |              |         | <del></del>   |  | <del></del> | <u> </u>      |              | <del></del> -  |             | 3.0     |                       |
| SE (                    | <del></del>   | 5.2           | <del>:</del> |         |               | <del></del> -                                |             |               | <del></del>  | <u> </u>       |             | 5.9     | 3                     |
| SSE .                   | - 17          | - 216         |              |         |               | <del></del>                                  |             |               | <u></u> -    |                |             | - 7     | 3                     |
| \$                      |               | .7            |              |         |               | <del></del>                                  |             |               |              |                |             | : 71    |                       |
| ssw !                   |               |               | i            |         |               |  |             |               | <del></del>  | ;              |             | ÷ :9    | - 4                   |
| SW 4                    | <del></del> : | 1.5           | .7           | .7      |               | <del></del>                                  | · ———       | <del></del> - |              | <del> </del> - |             | 3.0     |                       |
| wsw                     | 1.5           |               | 3.0          |         |               | <del></del>                                  |             |               |              | <del></del>    |             | 9.6     | 6 5 6                 |
| W                       | 2.2           | 3.0           |              |         |               | $\overline{}$                                |             |               | <del> </del> | i              |             | 3,2     |                       |
| WNW                     |               |               |              |         |               | i  |             |               |              |                |             | F       |                       |
| NW !                    |               |               |              |         |               | l  |             |               |              |                |             | = 1     |                       |
| NNW                     |               |               |              |         | i             | <u>                                     </u> | <u> </u>    |               |              |                |             | į.      |                       |
| VARBL :                 | 3.0           |               |              |         |               | i  | i           | <u> </u>      |              | 1              |             | 3.0     | 3                     |
| CALM                    | > <           | $\overline{}$ | $\searrow$   | > <     | $\overline{}$ |  |             | $\overline{}$ | > <          |                | > <         | 49.6    |                       |
|                         | 12.6          | 28.9          | 8.1          | .7      |               | [ <del></del>                                | <u> </u>    |               |              |                | <del></del> | 100.0   | 2                     |

USAFETAC  $\frac{\text{FORM}}{\text{RR-64}}$  0-8-5 (OL-1) previous editions of 1-45 form are obscutt

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### SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOTIRLY OBSERVATIONS)

|                         | -    |             |             |                               | ALL M       | ATHER       |             |             |             | -           |          | 1200     | ) <b>a</b> ] |
|-------------------------|------|-------------|-------------|-------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|----------|----------|--------------|
|                         | _    |             |             |                               | COM         | DITION      |             |             |             |             |          |          |              |
| SPEED<br>(KNTS)<br>DIR. | 1-3  | 4-6         | 7 - 10      | 11 - 16                       | 17 - 21     | 22 - 27     | 28 - 33     | 34 - 40     | 41 - 47     | 48 - 55     | ≥56      |          | A<br>V<br>S  |
| N                       | . 81 | . 81        |             | <del></del>                   |             |             |             |             |             |             |          | 1,7      |              |
| NNE                     | . 8  | . 81        | .8          | <del>-</del> - <del>- ;</del> |             |             |             |             |             |             |          | 2,5      |              |
| NE                      | . 6  | 107         |             |                               |             |             |             |             |             |             |          | 2,5      |              |
| ÉNE                     | .8   | 5.0         | 1.7         | 1                             |             |             |             |             |             |             |          | 7,6      |              |
| E                       | 2,5  | 9.2         | 1.7         |                               |             |             |             | :           |             | <del></del> |          | 13,4     |              |
| ESE                     | 2.5  | 3,41        |             |                               |             |             |             |             |             |             | -        | 5.9      |              |
| SE                      |      | 2,5         | ,           | 1                             |             |             |             |             |             |             |          | 2,5      |              |
| SSE                     |      | 2.5         |             |                               |             |             |             |             |             |             |          | 2,5      |              |
| S                       |      | 1.7         |             |                               |             |             |             |             |             |             |          | 1,7      |              |
| ssw                     |      |             | i           |                               |             |             |             |             |             |             |          | -        |              |
| sw                      |      |             |             |                               |             |             |             |             |             | •           |          |          |              |
| wsw                     | i    | 2,5         | 5.0         | ,8                            | . 8         |             |             |             |             | ·           |          | 9,2      |              |
| W                       | 1.7  | 10.1        | !           |                               |             |             |             |             | <b>!</b> _  |             | · — —    | ) . 0    |              |
| WWW                     | 81   |             |             |                               |             |             |             |             |             |             | ·<br>    | . 8      |              |
| мм                      | 8    |             |             | !                             |             |             |             |             |             | <u></u>     | <u> </u> | . 8      | _            |
| NNW                     |      |             |             |                               |             |             |             |             |             |             |          | <u> </u> | _            |
| VARBL                   | 1.7  |             |             |                               | . 8         |             |             |             |             | <u>L</u>    | <u> </u> | 2,5      |              |
| CALM                    |      | $\geq \leq$ | $\geq \leq$ | $\geq \leq$                   | $\geq \leq$ | $\geq \leq$ | $\geq \leq$ | $\geq \leq$ | $\geq \leq$ |             |          | 34,5     |              |
|                         | 13.4 | 40.3        | 9:2         | . 8                           | 1.7         |             |             |             |             |             |          | 100.0    |              |

USAFETAC  $_{\rm pax.\,64}^{\rm form}$  0-8-5 (OL-1) previou. (Dithous of this form are obsolete

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34199 SIEGENBURG GERMANY GUNNERY RANGE 63-70

#### SURFACE WINDS

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PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

ALL AEATHER SPEED (KNTS) DIR. MEAN WIND SPEED 8,7 NNE 4,5 6.0 5.C NE 4.3 17.4 ENE ESE SE 13.0 4,7 s SSW 4,3 4,3 8.0 SW wsw 8.0 WAY NNW 100.0

USAFETAC FORM Q-8-5 (OL-1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLET

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TOTAL NUMBER OF OBSERVATIONS

### SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

| 34199   | SIEGENBURG GERMANY GUNNERY RANGE 58#70      | ALL             |
|---------|---|-----------------|
| STATION | STATION SAIDS                               | 00011           |
|         | INSTRUMENT                                  | ALL             |
|         | CLABS                                       | ecuss (L \$ T ) |
|         | CIG 200 TO 1400 FT d/ VSBY 1/2 MI OR HORE   |                 |
|         | AND/OR VSBY 1/2 TO 201/2 MI W/CIG 200 FT OR | MORE            |

| SPEED<br>(KNTS)<br>DIR. | 1 - 3 | 4-6  | 7 - 10 | 11 - 15 | 17 - 21 | 22 - 27  | 28 - 33 | 34 - 0        | 41 - 47  | 43 - 57       | ≥%  | `      | MEAN<br>CRIW<br>CITE |
|-------------------------|-------|------|--------|---------|---------|----------|---------|---------------|--|---------------|-----|--------|----------------------|
| N                       | . 9   | 1.2  | 5      | .1      |         |          |         |               |  |               |     | 2,5    | 4,8                  |
| NNE                     | .4.   | .7:  | .1.    |         |         |          |         |               |  |               |     | 1,1    | 4,5                  |
| NE                      | . 8   | 1.2  | .4     |         |         |          |         |               |  |               |     | 2.4    | 4,6                  |
| ENE                     | 1.7   | 4,2  | .5     |         |         |          |         |               |  |               |     | 6,4    | 4.5                  |
| E                       | 2.6   | 4.1! | .4:    |         |         |          |         |               |  |               |     | 7,1    | 4.1                  |
| ESE                     | . 9   | 1.7  | .1     |         |         |          |         | <del></del>   |  |               |     | 2.7    | 4.0                  |
| SE                      | . 3   | .7!  | .1.    |         |         |          |         | <del></del> - |  |               |     | 1.1    | 4.4                  |
| SSE                     | . 31  | ,3:  |        |         |         | <u> </u> |         |               |  |               |     | .5     | 3,5                  |
| 5                       | . 4:  | ,3   | .1     |         |         | -        |         |               |  |               |     | 1,0    | 3,7                  |
| ssw                     | 2     | ,5   | - 4    |         |         |          |         |               |  |               |     | 1.1    | 5.5                  |
| SW                      | [ .3  | . 8  |        | .2      |         |          | •       |               | -  |               |     | 2.CI   | 5.3                  |
| wsw                     | 1.5   | 4,2  | 4.7    | 1.0     |         |          |         |               |  |               |     | 11.3   | 5.3<br>6.9           |
| w                       | 2,3   | 7.2  |        |         | . 2     |          |         | <del></del> - |  |               |     | 14.6   | 6.2                  |
| WNW                     | 1.0   | 1.9  |        |         |         | I        |         |               |  | <del></del>   |     | 3.9    | 5.3                  |
| КW                      | . 3   | . 5  | . 4    |         | .1      | i        | 1       | <del></del>   | <del></del>  |               |     | 1 1.41 | 5,C                  |
| NNW                     | . 4   | .6   |        |         |         | <u> </u> | i i     | 1             | :  | <del></del> - |     | 1 1,2  | 5.0                  |
| VARBL                   | 1.2   | 3    |        |         |         |          |         | ;             | <del>;                                      </del> | <u> </u>      |     | 1 1.3  | 2.8                  |
| CALM                    |       |      | > <    | >       | > <     | > <      |         |               | $\supset \subset$                                  |               | > < | 38.0   |                      |
|                         | 15.6  | 30.5 | 13.7   | 2.0     | .2      |          |         |               |  |               |     | 100.0  | 3,4                  |

TOTAL NUMBER OF OBSERVATIONS

USAFETAC FORM 0-8-5 (OL-1) PREVIOUS EXTRONS OF THES FORM AND ORSOLDS

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#### PART D

#### CEILING VERSUS VISIBILITY

This surrany is a hiveneste purcentage frequency distribution by classes of cooling from term to equal to un greater than 1., 1.0 out the as a separate class on deiling, versus visitility in in classes from term to equal to un growth than 10 miles. Sata are derived from mountly observations, and target sets of tables are presented as full to:

- 1. Ammai all years unt all aburs tiatimes
- 2. By whith all years and all hours on bines
- ತ್ತು ಪ್ರೇತ್ರ ಜನ್ಯ ಕರ್ಡಿ ಕರ್ನೊಟ್ಟಿದ್ದ ಕ್ರೀಡಿಸಿದ್ದಾರೆ ಪ್ರಾತ್ತಿಕ

Due to the outsitive control of this precentation, it is possible to determine the personal entropy of commence for any given shall of desiling or visibility separately, or in contination of desiling and visibility. The totals progress to the right and downward. Ceiling may be determined integer anally by referring so totals in the extreme right hand column. Also, visibility say to determined integer anally by reference to the horizontal row of totals at the bottom of the page. The percentage or equency for value the station was meeting or exceeding any given set of minimal may be determined from the figure at the intersection of the appropriate ceiling column and visibility row. Several examples in the use of these tables are shown on pages 2 and 3 below.

U. S. Weather Eurean and Navy stations old not report ceilings within the range 10,000 feet and aloner prior to Canmary 19-9. Summaries propored from ista for these stations using the earlier period and data subsequent to Junuary 19-9 will be modified to lamit ceilings to 10,000 feet. Sourt periods of record prior to 19-9 for these stations will be eliminated from the summary. For Air Force stations, the 'no ceiling' contegory includes clear and souttered conditions, and ceilings above 10,000 feet for period through June 19-5. Beginning in July 19-5 for Air Force stations and January 1949 for USAB and U. S. Many stations the 'no ceiling' category consists of Observations with less than 5/10 total any cover and those cases where total say cover is 6/10 or note, but not more than 1/2 of the sky cover is opaque.

#### EXAMPLES FOR USE OF CEILING VERSUS VISIBILITY TABLES IN THIS TABULATION

| CEILING          | :<br>:             |       |     |       |       |              | V:    | 12. YTU &  | IATUTE MI | LES)  |       |        |          |              |       |           |
|------------------|--------------------|-------|-----|-------|-------|--------------|-------|--|-----------|-------|-------|--------|----------|--------------|-------|-----------|
| (FEET)           | ≥ 10               | . ≥ 6 | ≥ 5 | . ≥ 4 | , ≥ 3 | ≥ 2 1/4      | . ≥ 2 | , ≥17,   | ≥ 1%      |       | ` ≥ ¾ | ≥ 3,   | ≥ ½      | ≥ 5/15       | , ≥ % | . ≥0      |
| NO CELLING       |                    |       |     |       |       | -            |       |  |           |       |       |        |          | $\sim$       | -     |           |
| ≥ 1800<br>≥ 1500 |                    |       |     |       | \$1,0 |              |       |  |           |       |       | $\sim$ | <u> </u> | 1            | _     | <br> c2.6 |
| ≥ 1200<br>≥ 1000 |                    |       |     |       |       |              |       |  |           |       |       |        | !        |              |       |           |
| 000 ≤<br>008 ≤   | 1                  |       |     |       |       |              |       | 1  |           |       |       |        |          |              |       | !         |
| ≥ 700<br>≥ 600   | 1                  |       |     | i     |       |              |       |  |           |       |       |        |          |              |       | l         |
| ≥ 500<br>≥ 400   | o sage appropriate |       |     |       |       | <del> </del> | i     | the state of   |           | 97.1. |       |        |          | <del> </del> |       | 5º.1      |
| ≥ 300<br>≥ 200   |                    |       |     |       |       |              |       |  |           |       |       |        | 1        |              |       |           |
| ≥ 1CO<br>≥ 0     |                    |       |     |       | 95.4  |              | 96.9  | The state of the s |           | 93,3  |       |        | 1        |              | <br>  | 100.0     |

EXAMPLE # 1 Read ceiling values independently of visibility under column at right headed  $\geq 0$ . For instance, from the table: Ceiling  $\geq 1500$  feet = 92.%.

Ceiling  $\geq 500$  feet = 98.1%.

EXAMPLE # 2 Read visibilities independently of callings on bottom line opposite  $\geq 0$ . From the table: Visibility  $\geq 3$  miles = 95.1%. Visibility  $\geq 2$  miles = 96.5%. Visibility  $\geq 1$  mile = 98.7%.

EXAMPLE # 3 To obtain combinations of ceiling with visibility, read figure at intersection of the two categories; i.e.: Ceiling  $\geq$  1500 feet with visibility  $\geq$  3 miles = 91.0%.

#### ADDITIONAL EXAMPLES

EXAMPLE # 4 Values held minimums stated in the table may be obtained by subtracting the value given in the table from 100%.

Thus, to obtain the percentage of observations with ceiling < 1500 flat and/or visibility < 3 miles, subtract the value read from the table at the interacction, which is 91.0, from 100.0. The answer 9.0 is the remembers of observations with ceiling < 1500 fact.

from 100.6. The answer 9.0 is the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles.

Likewise, the percentage of observations with ceiling < 500 feet and/or visibility < 1 mile is 2.6, obtained by subtracting \$7.4 from 100.0.

EXAMPLE # 5 To find the percentage of observations falling within the two casegorles given in example above, subtract the value read from the table for the first set of limits from the value in the table for the second set of limits. The difference will be the percentage of observations meeting the lower set of limits, but not meeting the higher set of limits.

The value 91.0 read from the table at the intersection of  $\geq$  1500 feet with  $\geq$  3 miles, subtracted from 97.4 read from the table at the intersection of  $\geq$  500 feet with  $\geq$  1 mile is equal to 6.14. Thus, 6.4 percent of the observations meet the criteria: "ceiling  $\geq$  500 feet with visitility  $\geq$  1 mile, but < 3 miles; or ceiling  $\geq$  500 feet, but < 1500 feet with visitility  $\geq$  1 mile."

Since these tabulations are prepared in several ways including by month, by 3-hour groups it is possible to determine diurnal variations of ceiling and visibility limits as well as probabilities of various ceiling-visibility combinations.

DATA PROCESSING DEVISION USEF ETAC AIR WEATHER SERVICE/MAG

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# CEILING VERSUS VISIBILITY

|                        | EGEKBUNG GE                | 315-24-51-51                            |           | 46E 98                       | 19           |              |           | 125          |              |          |              |            |
|------------------------|----------------------------|---|-----------|------------------------------|--------------|--------------|-----------|--------------|--------------|----------|--------------|------------|
|                        |                            | PERC                                    | ENTAGE    | FREQUENC                     | Y OF C       | CCURR        | ENCE      |              |              |          |              |            |
|                        |                            |   | (FROM H   | OURLY OF                     | SERVAT       | IONS)        | .21 102   |              |              |          |              | HC.        |
| OF NO                  |                            |   |           |                              |              |              |           |              |              | <u>.</u> |              |            |
| **E**                  | · ≥ 0 3.6                  | ≥ 5 ≥ 4                                 | ≥ 3       | 2.2.2 ≥ 2                    | 217          | ≥ .          | <u></u> - | ≥ ½.         | ≥ 5 8        | ומ≤      | ≥ 5 ; 8      | ≥ ,4       |
| NO CE L NO<br>≥ 20000  | 10.9                       | 29.4 25.                                | 25.8 2    | 5.0 25.<br>5.9 36.           |              |              | 25,6      | 29,0<br>3273 | 29.1         | 29.2     | 29,2         | 29         |
| : ≥ 18000<br>1 ≥ 16000 | 22.5                       | 24,3 20,                                | 56.62     | 9,0 30.<br>9.0 30.           | 30.7         | 30,8         | 1271      | 32,9         | 32,5         | 32,4     | 32,5         | 32,        |
| ≥ 4000                 | 22,5                       | 24,4 28,                                | 29/2 2    | 9,2 30,2                     | 30.8         | 30,9<br>31,2 | 32,2      | 32,5         | 32.0         | 32,7     | 32,5         | 32,        |
| ≥ 000<br>≥ 9000        | 25,7<br>25,1               | 20,3 30,                                | 91.5      | 2 2 33                       | 33,4         | 33,5         | 32,5      | 35.3         | 35.7         | 35.4     | 33,0         | 33,        |
| 2 8000                 | 20,4                       |   | 33,7      | 3,9 335                      | 23.7         | 39,0         | 37,7      | 30,0         | 30,0         | 30.1     | 36,3         | 36,        |
| ≥ 6500<br>≥ 5000       | 27,4<br>30,0               | 23 3 24 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 | 3000      | 5.0 500                      | 37.5         | 2760         | 3001      | 33.7         | 38,5         | 38.5     | 39,6         | 70,        |
| ≥ 4500<br>≥ 4500       | <u> 70,2</u>               | 38,7 38,0                               | 300       | 901 3000<br>904 4005         | 1            | 7.00         | 43.7      | 997          | 43,0         | 44.2     | 44,2         | 337        |
| ≥ 3506<br>≥ 3000       | 263                        | 33,3 41,                                |           | 7 7                          | 4000         | 7939         | 97.3      | 47.0         | 47,7         | 1017     | 17.9         | 47,        |
| ≥ 2500<br>≥ 2000       |                            | 37 60 48 61<br>49 60 33 6               | 2         | 30,0                         | 1 7 7 7 7 1  | 379          | 30,1      | 60,3         | 90,5         | 90.0     | 90,7         | 20,        |
| ≥ 1800<br>≥ 1500       | 90,9                       | 20.0.60                                 | .e. 3.0 e | 2.0 004                      | 6219         | 999          | 7021      | 70,6         | 70:0         | 70.1     | 70,1         | 10,        |
| ≥ 1200<br>≥ 1006       | 30±0                       | - Establ. Para                          | 1.21.2    | 7,3 70,0                     | 70.9<br>72.8 | 7323         | 19,0      | 77.2         | 79.2         | 70,6     | 79,0         | 767        |
| ≥ 900<br>≥ 600         | 2012                       | 2479 0793<br>24-0 04-1                  | 70.8      | 010 1323                     | 7793         | 77.0         | 0235      | 0030         | 90 <u>68</u> | 07.2     | 87,0<br>87,2 | 97)<br>97) |
| ≥ 700<br>≥ 600         | 50.2                       | 3449 0033<br>3449 0337<br>3449 0327     | 77.7      | 11 737                       | 777          | 70,0         | 87,2      | 50.5         | 10,4         | 67,0     | 94.7         |            |
| ≥ 500<br>≥ 400         | 100                        | 3438 65.6                               |           |                              | 7/4          | 77.3         | 1779      | 72/3         | 7023         | 70,5     | 70,3         | 70,        |
| S 300                  | 2072                       | 54.0 00.0                               | 1333      |                              | 78.49        | 79.5         | 7079      | 7013         | 75,0         | 34.0     | 96,7         | 75,        |
| 2 100                  | 20 x 1<br>20 x 1<br>20 x 3 | 2000                                    | 73.29 7   | 199 [38 <u>9</u><br>199 [349 | 18 9         | 79,5         | 51.0      | 72)3         | 70,7         | 77+0     | 97.5         | 487        |

TOTAL NUMBER OF OBSERVATIONS 634

USAF 574" FORM 0-14-5 (OL 1) PREVIOUS COITIONS OF THIS FORM ARE OBSOLETE

# CEILING VERSUS VISIBILITY

| <u>9 Sie</u>        | GENBU                   | RG GER | MANY | GUNNE | RY R  | ANGE  | Øää. | 70    |       |      | 115   |              |              |              |              | <u>AN</u>  |
|---------------------|-------------------------|--------|------|-------|-------|-------|------|-------|-------|------|-------|--------------|--------------|--------------|--------------|------------|
|                     |                         |        |      |       |       |       |      | OF O  |       | ENCE |       |              |              | -            | — <u>-</u> ₩ | k.         |
| 67 <b>, NG</b>      | VISIBLUTY STATU'E MIRES |        |      |       |       |       |      |       |       |      |       |              |              |              |              |            |
| FEET                | ≥ '0                    | ≥ 6 ;  | ≥ 5  | ≥ 4   | ≥ 3   | ≥ 2 • | ≥ 2  | و'ا≲  | ≥ 15  | ≥:   | ≥ %   | ≥ 5/8        | ≥ 3          | ≥ 5 '6       | ≥ 4          | ≥ 0        |
| NO CENNG<br>≥ 20000 |                         | 4.8    | 5.3  | 9.0   | 9.0   | 9.0   | 10.3 | 10.9  | 1107  | 10.9 | 10.2  | 10.2         | 16.2         | 10.2         | 16,4         | 16.        |
| ≥ :8000<br>≥ :6000  | 1                       | 4,8    | 5,3  | 9.0   | 9,0   | 9.0   | 10.3 | 10,9  | 11,9  | 55.1 | 10.4  | 16.4         | 16.4         | 16,4         | 16.7         | 16.        |
| ≥ 14000<br>≥ 12000  | !                       | 4.8    | 5,3  | 9.0   | 9,0   | 9.0   | 10,3 | 10,9  | 11,0  | 15,1 | 10.4  | 10,4         | 16.4         | 16,4         | 16:7         | 10,        |
| ≥ 10000<br>≥ 9000   |                         | 5.3    | 5.8  | 9,8   | 10.1  | 10:1  | 12.5 | 13.0  | 14,1  | 17.5 | 1904  | 1979         | 19.0         | 1929         | 2032         | 20.        |
| ≥ 8000<br>≥ 7000    |                         | 6.6    | 7/2  | 11.4  | 11.7  | 11.7  | 19,1 | 14.6  | 13.6  | 22,1 | 24,0  | 24,9         | 25.3         | 25.5         | 25:2         | 25)<br>25; |
| ≥ 6000<br>≥ 5000    |                         | 6.6    | 7.2  | 12.2  | 13.0  | 13.G  | 13.4 | 15.0  | 17.0  | 24,4 | 30.0  | 27.1<br>36.0 | 27.2<br>30.0 | 17,1<br>20,0 | 27           | 30         |
| ≥ 4500<br>≥ 4000    |                         | 6.0    | 1,7  | 19:3  | 15.1  | 15.1  | 17,5 | 20.7  | 25.1  | 27,5 | 30.2  | 30.2         | 32.9         | 30.2         | 30.2         | 133.       |
| ≥ 3500<br>≥ 3000    | <u> </u>                | 7,2    | 9,3  | 19,0  | 17.0  | 17.0  |      | 21.5  | 22,3  | 31.0 | 33,7  | 33,7         | 34.2         | 33.7         | 3            | 34,        |
| ≥ 2500<br>≥ 2000    |                         | 777    | 70.0 | 17,0  | 18,3  | 10,9  | 20.7 | 22,   |       | 34,7 | 37.4  | 37/2         | 137.7        | 37.4         | 31.2         | 35,        |
| ≥ 1800<br>≥ 1500    |                         | 10.1   | 10,9 | 2     | 21,5  | 2175  | 24,7 | 27    | 20,1  | 44.8 | ***   | 45,4         | 45.4<br>48.0 | 43.0         | 41.2         | 48         |
| ≥ 1200<br>≥ 1000    |                         | 10,1   |      | 21.2  | 22.4  | 22.5  | 300  | 25,2  | 30,2  | 2077 | 70,1  | 30.1         | 30.1         | 5011         | 2005         | 100        |
| ≥ 900<br>≥ 800      |                         | 10.1   | 11.7 | 31,2  | 22.0  | 22,1  | 20.3 | 29,2  | 30.2  | 24.1 | 59,4  | 45959        | 62.2         | 39.7         | 60.2         | .00;       |
| ≥ 700<br>≥ 600      |                         | 10.1   | 11.2 | 21.2  | 22,5  | 22,5  | 29.3 | 30.2  | 31.0  | 36.2 | 08    | 6277         | 1273         | 02.3         | 92.6         | ∍)2,       |
| ≥ 560<br>≥ 400      | † – –                   | 10,1   |      | .22,0 | 23.6  | 23.4  | 27.3 | 30.2  | 30,0  | 62.1 | 70,0  | 79.4         | 72.1         | 72.1         | 72.72        | 72,        |
| ≥ 306               | <del> </del>            | 10,1   | 11.7 | 55.0  | 127,6 | 23,0  | 211  | .30,0 | 127,4 | 47,  | 18474 | 1            | 97.          | 67/2         | 27,3         | 0.         |

TOTAL NUMBER OF OBSERVATIONS....

37

USAF ETAC JULI 0-14-5 (OL 1) PREVIOUS EMITIONS OF THIS FORM ZEE OBSOLETE

DATA PROCESSING DIVISION USAF BYAC AIR WZATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

|                      | GEWDD    | RG GE                    | KHANI | UNN   | ery_r        | ANGE            | 67-           | 70             | -            |       |       |              |      |        |                   | <u>E8</u>  |
|----------------------|----------|--------------------------|-------|-------|--------------|-----------------|---------------|----------------|--------------|-------|-------|--------------|------|--------|-------------------|------------|
|                      |          |                          |       | PERCE | NTAG<br>FROM | E FREG<br>HOURI | UENC<br>Y OBS | Y OF C         | CCURF        | RENCE |       |              |      |        | — <del>≂.</del> A | ĻĻ,        |
| 28 . 53              |          | VISISILITY STATUTE MIZES |       |       |              |                 |               |                |              |       |       |              |      |        |                   |            |
| ŧĒĒ.                 | ≥ ;      | ≥ 6                      | ≥ 5   | ٤ 4   | ≥ ;          | ≥:.             | ≥ :           | ۶ ۶            | ž .          | ۱ چ   | ≥ %   | ≥ 5 8        | 2 3  | ≥ ≤ '6 | ≥ .               | 2          |
| NC CE. NG<br>≥ 20000 |          | 10.1                     | 10.1  | 15,8  | 15,8         | 15.8            | 16,8          | 17.6           | 17,4         | 14,5  | 18,9  | 15.9         | 18,9 | 18,9   | 18,9              |            |
| ≥ 8300<br>≥ 6300     | <u> </u> | 11,1                     |       | 17,1  | 17,1<br>17,1 | 17.1            | 16,1          | 18.9           | 18.9         | 20.2  | 20,2  | 20.2         | 20.2 | 20,2   | 20.2              | 2          |
| 2 4000<br>2 2000     |          | 11;1<br>11;1             |       | 17,1  | 17,1         | 17.1<br>17.1    | 18.1          | 18.0           | 18/9         | 20.2  | 20,2  | 20,2         | 20.2 | 20.2   | 20,2              | 2          |
| ≥ 9000<br>≥ 9000     |          | 11.9                     | 11.9  | 17,5  | 18.1         | 17,9            | 19.2          | 19.7           | 1979         | 21.3  | 21.0  | 21.2         | 21.0 | 21.2   | 21.0              | 2          |
| ≥ 5000<br>≥ 7000     |          | 13.0                     | 13.0  | 20.5  | 20,5         | 20,5            | 22.0<br>22.0  | 22.5           | 22.8         | 24.1  | 26.1  | 24.1         | 24.1 | 24,1   | 24.1              | 2          |
| ≥ 6000<br>≥ 5000     |          | 13,0                     | 13,0  | 20,5  | 28.0         | 20.5            | 22.0          | 22.8           | 22,0         | 24.1  | 3120  | 24:1         | 24.1 | 24,1   | 31.9              | 2          |
| ≥ 4500<br>≥ 4500     |          | 16.3                     | 16.8  | 28.0  | 28.0         | 28.0            | 29,5          | 30.3           | 10,3         | 331   | 31,79 | 31/2         | 31,9 | 31,0   | 31.9              |            |
| ≥ 3500<br>≥ 3080     |          | 10.8                     | 17,6  | 28.5  | 28.5         | 28.5            | 30,1          | 19.5           | 30,8         | 32.6  | 12,0  | 32.4         | 32,6 | 12,1   | 32.6              | - P        |
| ≥ 2500<br>≥ 2000     |          | 21,2                     | 22,0  | 3472  | 34,2         | 36.2            | 30.0          | 36.8           |              | 42,0  | 42.0  | 42,0         | 42,0 | 42,C   | 42.0              | - 4        |
| ≥ .800<br>≥ 500      |          | 28.0                     | 28.8  | 4912  | 50.0         | 50,0            | 37.3          | \$376<br>\$850 | 33.7<br>39.4 | 43,7  | 33.7  | £3,3         | 45,3 | 93.3   | 2.13              | .6         |
| ≥ 1200<br>≥ 1000     |          | 30.3                     | 31.6  | -60-4 | 54.4         | 54,6<br>61.1    | 37.3          | -58-0<br>-68-7 | 70.2         | 74.1  | 96.0  | 7411         | 74.1 | 74.3   | 77.0              | - <b>1</b> |
| ≥ 900<br>≥ 800       |          | 31.6                     | 32.9  | 60,6  | 61,6         | 01,1            | 07.1          | 68.7           | 70.2         | 93,3  | 74.0  | 94.0         | **** | 94.0   | 94.0              | 9          |
| ≥ 700<br>≥ 600       |          | 31.0                     | 32,9  | 60.6  | 61,4         | 61,4            | 07:1<br>67:1  | 40,7           | 70.3         | 93,1  | 93:1  | 94,6         | 75.1 | 94.6   | 94,6              | . 9<br>. 6 |
| ≥ 500<br>≥ 400       | 4        | 31,6                     | 32,9  | -00,0 | 61,4         | 01,4            | 67.1          | 68.7           | 70.3         | 195.4 | 75,7  | 98.9         | 9379 | 95.9   | 75,5              | . <b>9</b> |
| 2 300<br>≥ 200       | i        | 31.6                     | 1259  | 60.6  | 61,4         | 01,4            | 67.1          | 68.9           | 70.7         | 73,0  | 12:3  | *7.1         | 78.2 | 98.2   | 98.2              | 3 <b>9</b> |
| 2 :00 ≤              |          | 31.0                     | 32,9  | -00.6 | 91.9         | 61.4            | 67.1          | 4179           | 70.7         | 99,6  | 70,7  | 97,9<br>97.9 | 98.4 | 98.4   | 9975              | Į          |

TOTAL NUMBER OF DESERVATIONS 986

USAF ETAC .UL 4 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

# CEILING VERSUS VISIBILITY

|                      | GENBURG GE   |                        |            |                 |                | t, Ça  | -      |                 | -     | 125   |       |         |                |             | AR             |
|----------------------|--------------|------------------------|------------|-----------------|----------------|--------|--------|-----------------|-------|-------|-------|---------|----------------|-------------|----------------|
|                      |              |                        | PERCE<br>( | FROM            | E FREG<br>HOUR | LY OBS | Y OF C | CCURR<br>(IONS) | ENCE  |       |       |         |                | <del></del> | 1              |
| CE №3<br>-EET        |              | V SARITY STATUTE MILES |            |                 |                |        |        |                 |       |       |       |         |                |             |                |
|                      | ≥ ≎ ≥ 6      | ≥ 5                    | ≥ 4        | ≥ 3             | ≥ 2 2          | 2:     | ` ≥ ;  | ≥ ' '*          | ≥ 1   | 2 %   | ≥ 5,8 | ≥ 7     | د خ            | ≥ 4         |                |
| NO CE. NO<br>≥ 20000 | 9 6          | 12.1                   | 21,5       | 21.7            | 21.7           | 23.1   | 24.1   | 24×1            | 24.5  | 24,8  | 24.5  | 24,5    | 24.8           | 34.8        | 24             |
| ≥ 8000<br>≥ 6000     | 9,0          |                        | 22,0       | 22,4            | 22,4           | 23,8   | 29,5   | 24.8            | 25,5  | 25,5  | 23.5  | 25,5    | 29.5           | 25,5        | 2              |
| ≥ 4000<br>≥ 2001     | 9,6          | 12.1                   | \$2,0      | 22,4            | 22,4           | 23,8   | 24,5   | 24.8            | 2323  | 25,5  | 23.3  | 25,5    | 25,5           | 25,5        | 2:             |
| ≥ 5000<br>≥ 9000     | 11.0         | 19 A                   | 24,0       | 25,7            | 25,9           | 27.0   | 29     | 27,4            | 31,8  | 31,3  | 31,3  | 27,5    | -27,5<br>-31,3 | 37.73       | 3              |
| ≥ 800;<br>≥ "X".     | 13,1         | 15.7                   | 20.9       | 28,0            | 20,0           | 20.0   | 31,5   | 31,3            | 33/   | 33,4  |       | 3374    | 33,4           | 33          | 3              |
| 2 600↓<br>2 5000     | 1301         | 1307                   | 26.9       | 28,0            | 20,0           | 29.9   | 31,5   | 31,5            | 33,3  | 33    | 33,4  | 33,5    | 35,4           | 33.4        | 31             |
| 2 4500<br>2 4000     | 16.6         | 2002                   | 75.0       | 32.0            | 32.0           | 110    | 35.5   | 3575            | 37,4  | 37.4  | 17.4  | ***     | 437,4          | 37,4        | 37             |
| ≥ 3300<br>≥ 3000     | 16.8         | 20.6                   | 32.2       | 33.4            | 33.4           | 3123   | 33050  | 36,0            | 40,0  | 10,0  | 90.0  | -40 è 0 | 40,0           | 40.0        | · & C          |
| ≥ 2500<br>≥ 2000     | 23.4         | 27.0                   | 43,5       | 49.5            | 45,3           | 47.4   | 4958   | 17              | 34,4  | 34.4  |       | 34.     | 3474           |             | 13             |
| ≥ 800<br>≥ 500       | 25.5         | 30.1                   | 79.3       | 31,4            | 21,4           | 33,2   | 36.3   | 55,5            | 04,C  | **,0  | ,     | 94,0    | 27.0           | 94,0        | 64             |
| ≥ 700<br>≥ 501       | 25 2<br>25 2 | 32.2                   | \$5.0      | 29.6            | 39.0           | 06.7   | 467.1  | 47.1            | 77.3  | 60,0  | 10,4  | 80.4    | 80             | -00         | 90             |
| ≥ 900<br>≥ 800       | 25.2         | 10.2                   | 58.9       | 61,7            | 61.7           | 66.0   | 70.1   | 70,1            | 00,4  | 90,7  | 20.9  | 90.4    | 70,7           | 20,9        | * <b>9</b> 0   |
| £ 700<br>≥ 600       | 25.2         | C2:2                   | 50.1       | 62.1            | 62.1           | 67.3   | 70,0   | 70,1            | 10,0  | 37.2  | 93,2  | 11,2    | 93.2           | 112         | . 9.5<br>. 9.5 |
| ≥ 500<br>≥ 400       | 26.2         | 3262                   | 35,1       | 6211            | 62.1           | 37:3   | 70,8   | 70,8            |       | 11.7  | 17,1  | 99.1    | 99.1           | 99,1        | -73<br>97      |
| ≥ 300<br>≥ 200       | 2622         | 12,2                   | 59.1       | 1.2 1<br>E.1. 1 | 62.1           | 67.3   | 70.0   | 70,8            | 93.0  | 27,2  | 00,0  | 00.0    | 00,0           | 00.0        | 00             |
| ≥ 100<br>≥ 0         | 2632         | 32.2                   | 39.1       | 62.1            | 0101           | 27.1   | 70.8   | 70.0            | 12.73 | 97.21 | 00.01 | 00.0    | 00.0           | 0020        | ìòñ            |

TOTAL NUMBER OF CESSERVATIONS....

USAF ETAC TORM 0-14-5 (OL 1) PRETIONS EDITIONS OF THIS FORM ARE OBSOLETE

# CEILING VERSUS VISIBILITY

|                     |                              |              |              |              |              |              |              | Y OF O |      | ENCE         |              |       |       |                | Ą                  | LĻ.        |
|---------------------|------------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------|------|--------------|--------------|-------|-------|----------------|--------------------|------------|
|                     | *: \$. ^: 5 k . ; \$ \lambda |              |              |              |              |              |              |        |      |              |              |       | · – - |                |                    |            |
|                     | , ·                          | ~ ÷          | 4 -          | ; x          | 2.5          | ÷ .          | 2.2          |        |      |              | 2 %          | 2 3 8 | ≥ 、   | 2: >           | .: ·               | ≥ ·        |
| 47 (F 1)<br>2 (227) |                              | 11:1         | 11.3         | 12.7         | 12.7         | 12.7         | 13.7         | 13,3   | 13.7 | 13.7         | 13,7         | 13.7  | 13.7  | 13,7           | 13,7               | 13         |
| ≥ 8<br>2 5          |                              | 11.1         | 11,3         | 12,7         | 12,7         | 12,7         | 13,2         | 13.3   | 13.7 | 13.7         | 13.7<br>13.7 | 13.7  | 13.7  | 13,7           | 1977               | 13         |
|                     |                              | blek         | 11,3         | 12.7         | 12/7         | 12.7         | 13.3         | 13.3   | 13,7 | 13/7         | 13.7         | 13,7  | 13,7  | 13/7           | 1977               | 13         |
| ž žiii              |                              | 15,2         | 15.4         | 17.5         | 17,6<br>17.5 | 17.6         | 18,2         | 18,5   | 18,5 | 19,0         | 19.0         | 18,8  | 19.0  | 19.0           | 10,6               | 16<br>18   |
| <u> </u>            |                              | 19:4         | 15.6         | 7.6          | 17:0         | 17:8         | 18,4         | 18.8   | 19,2 | 19.2         | 19,2         | 19,2  | 19.2  | 19,2           | 1942               | - 17       |
| 4 %-<br>≧ 1- i      |                              | 20,6         | 18.0         | 20,2         | 20,2<br>23,2 | 20,2         | 24.2         | 25.1   | 21,6 | 2575         | 25,5         | 25,5  | 25,5  | 25.5           | 25.5               | 2)<br>23   |
| = 41<br>_ 41        |                              | 20.0         | 20,0         | 25,2         | 23,2         | 25.2         | 24.2         | 25.1   | 25.5 |              | 2935         | 35.5  | 25,5  | 25,5           | 25/2               | 29         |
| - 1                 |                              | 29.7         |              | \$0.5        | 27.5         | 27.5         | 31,5         | 32.5   | 9,75 | 29.9         | 29:9         | 32.9  | 89,9  | 29/9           | 3279               | 29         |
|                     |                              | 47.1<br>37.2 | 57.4         | AS           | 58, S        | 53,9         | 50,9         | 55.0   | 90gg | 20.3         | 70,2         | 75.3  | 71,5  | 50, 之<br>71, 章 | 71.3               | 71         |
| 2 33<br>2 5 3       |                              | 59.4         | 50,2         | 18.1         | 77.1         | 79.1         | 7017         | 77.4   | 72.1 | 7291         | 72.1         | 72.1  | 72.1  | 79 22          | 74.2               | 79         |
| <u> </u>            |                              | 03.4         | 64.2         | 70.0         | 77,0<br>81.8 | 77.0<br>81.5 | 8020<br>3098 | 82.0   | 9037 | 6923<br>941  | 941          | 94.1  | 64.2  | 84.2<br>94.1   | 94,2<br>94,1       | 89<br>94   |
|                     |                              | 63.4         | 64.2         | 80.9<br>80.4 | 91.5         | 21.8         | 86.5         | 89.5   | 70/7 | 7993<br>9495 | 94.5         | 94.J  | 94.5  | 9951           | 4917               | 94         |
| ک یک<br>یکھ کے      |                              | 6364         | 64,2<br>64,2 | 60.6<br>60.6 | 01.0         | 61.8         | 80.5         | 89.5   | 99/7 | 9445         | 99.5         | 97.4  | 97.4  | 94,5           | 97,4               | 99         |
| 2 500<br>≥ 400      |                              | 53,6         | 6412         | 80.4         | 01,0         | 81.8         | 86.5         | 89.5   | 90/7 | 77#8<br>98:3 | 60.V         | 99,0  | 99 PO | 90.75          | 179¥2              | 99         |
| 2 ,X<br>2 200       |                              | 63.4         | 64.2         | 80 s         | 01.ps        | 01.0         | 86.3         | 89.5   | 90.7 | 98.2         | 99,6         | 99.4  | 99.4  | 100°0          | 700 × 0<br>700 × 0 | 100<br>100 |
| <br>2 -5<br>≥ 5     | -                            | 69.6         | 6442         | 9108<br>4-08 | 0169<br>016  | 81.60        | 80.5         | 89.5   | 90/7 | \$ 50°       | 99,6         | 99,4  | 99.4  | 10090          | 00-00              | 100        |

CATA PROCESSING DIVISION JSAF ETAC AIR WEATHER SERVICE/MAC

# CEILING VERSUS V'SIBILITY

34199

SIEGENBURG GERHANY GUNNERY RANGE 68-70

\* 4 Y

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

+58.7 STA L F 4 32

ALL

| <u>&gt;</u> -    | ≥ 6           | ≥ 5       | <u>*</u>           | <u> </u>  | 2:          | 2.       | 2 .    | ≥              | ≥ •          | ≥ . }    | · ·       | <br>≥: 6 |         | · · ·   |
|------------------|---------------|-----------|--------------------|-----------|-------------|----------|--------|----------------|--------------|----------|-----------|----------|---------|---|
|                  | 28.3          | 28.9      | 30.0 30            | 4 30.     | 4. 32.0     | 32.2     | 32.2.  | 32.6           | 32.6         | 32.6     | 32.6      | 32.6     | 32.6    | 32 A  |
|                  | 30.2          |           | 63 . 1 63          | A . A     | A. GS.II    | AA. 7:   | AA . 7 | AA A:          | AA . A.      |          | A & . A . |          |         | 44 =  |
| <u> </u>         | 2002          | 1 40 g y' | 42.1.92            | 14) 42 8  | 4,4440      | 44.2     | 44.2   | 44 <u>-</u> 0: | 44.5         | 44.5     | 44 . 6    | 44-0     | 44.6    | 44.6  |
|                  |               |           |                    |           |             |          |        |                |              |          |           |          |         |   |
| <u> </u>         | 37.3          | 42.1      | 42,4:42            | 61 49     | 6 43 2      | 45.3     | 45,3   | 45,7           | 45,7         | 45:7     | 45/7      | 45.7     | 45.7    | 45.7  |
| 2 0 -            | 45.0          | 42 a 3 l  | 40.9:47            | .3: 47 e  | B' 48.5     | 49.O     | 49.0   | 46 - 4c        | 49 . 4       | 40-4     | .A. 9 A.  | A- 2A    | AO . E  | A CA  |
|                  | 7787          | 7144      | 701V: 77           | I SI WY A | U: 2U.      | 31146    | 201-0  | 31.7           | 71.          | 44.7     | 41.7      | # 1 T:   | 41 7    | E 1 3   |
| 2 8.01<br>2 70.1 | 4331<br>AB: 7 | A2 2      | 50,0 50            | 9 20 5    | 아 교육을       | 22,3     | 32,3   | 52,7           | 52,7         | 52.7     | 22.7      | 52,7     | 72,7    | 52,7  |
|                  | 47.5          | 50 B      | 50,0 50            | 7 83      | 4. 565P     | 36,3     | 22.3   | 26,7           | 3297         | 32.7     | 72/7      | 52,7     | 52,7    | 52,7  |
| ≛ 600<br>≥ 500   | 52,1          | 55.4      | 52,3 52<br>57,4:57 | 8 57      | 6: 59:5     | 59.7     | 59.7   | 22 € Ö         | 57, Q        | 55.0     | 25 ¢ Q    | 55,0     | 25,0    | 55,0  |
| 2 4              |               | 2140      | 39 t 7. 37         | 2 27 *    | B, OLEV     | 61 × Zi  | 81.2   | 01.68          | A1.0         | A T _ As | 01 -A     | A1.A     | A1 - 64 | 4 4   |
| 2 4771           | 54,1          | 57,4      | 59,3 59            | 7 59      | 7 61;e      | 61.6     | 61.6   | 02.0           | 62.0         | 62.0     | 62.0      | 62.0     | 62.0    | 62.0  |
| ÷                | 20.0          | 59,3      | 01,2 01            | 6 61,     | 0 0 0       | 63,6     | 03,64  | 64.0           | 66,0         | 04.0     | 04 . Q    | 09.0     | 04.0    | 09.0  |
| _ 2_3.11         | 2112          | Q3.54.    | Q242, Q3           | C; 03 e   | 0 0202      | 55.5     | 05.5   | <b>623</b> 8.  | 63.9         | 55.9     | 05 25     | 85.9     | 64.9    | 65,9  |
| ≥ 25.0<br>≥ 1010 | 9119          | 1 1 1 2   | 19791 19           | 9 (9 .    | ol teibi    | 79:7     | 7047   | 77.l           | 77.1         | 77.1     | 77.1:     | 77.11    | 77.1    | 77.5  |
|                  | 74 4          | 7 4 2     | 81.4 82            | 0 65.     | 0. 9997     | 8414     | 02.3   | 85/9           | 85/9         | 85,9     | 55,9      | 85,9     | 85,9    | 85.9  |
| ≥ 80°<br>≥ 500   | 79.4          | A         | 52,4 82<br>85,9 87 | V 074     | V: 05**!    | 00.7     | 06.45  | 60 * £!        | 80.0         | 86.6     |           | 80.8     | 80.6    | \$6,5   |
|                  | 78.3          | 8 -4      | 4515 011           | VI 88-    | v vyte.     | 749 JI   | 70131  | 749A:          | 7494         | Alti     | 27 4 B    | AYPI     | 47.1    | 91,1  |
| 2 200<br>2 000   | 78,7          | 82.9      | 89-1 90            | 3 90      | 6) ( P. 47) | 05.0     | 85.9   |                | 2697         | 7224     | 7889      | 26/4     | 78.4    | 76;4<br>^= .                                  |
| 2 vai            | 78.7          | 82. 1     | 99-1 90            | 3 90-     | 7: 95 a 0   | 99.2     | 95.7   | ea.7           | 67.4         | 7/11     | 69.0      | 7 [ 3 ]  | 4711    | 97g L   |
| 2 907            | 1911          | 26.57     | DA* 1: 4U          |           | * 32 5 50   | W-3 = 4! | 4474   | '47.I.         | 97 K         | ·07.8    | A 4 " E.  | 87 E     | Q7 ±    | (2) 75 20 20 20 20 20 20 20 20 20 20 20 20 20 |
| ≥ ~x             | 78,7          | 82.9      | 80 1 90            | 3. 90.    | 3 92.0      | 95.3     | 9579   | 97.1           | 97.5         | 97.5     | 97.5.     | 97.5     | 97.4    | 97.8  |
| ≥ 600            | 78,7          | 82,9      | 89.1 90            | 3 90      | 2 93.0      | 93.3     | 95.9   | 97.1           | 97.5         | 97.5     | 97.6      | 97.5     | 97.5    | 97.8  |
| 2 500            | 1 - 9 /       | 4657      | YTRAL TV           | 2 749     | 위 주문들당      | 73 2     | 73:7   | 7/6/           | 7940         | YD . G   | 75 - 01   | 70.0     | TA . OI | 36.A  |
| ≥ 400            | 76,7          | 82.9      | 973 A YO           | 2 700     | a abab.     | 43.3     | 75/7   | 7727           | <b>₹8</b> ≥6 | 98.6     | 78 - N    | 98-6     | 98.6    | 98.4  |
| ≥ 500            | 78,7          | 62.9      | 66 Y 60            | 3 904     | 3 93.6      | 9575     | 90.1   | 9779           | 96,8         | 98.8     | 98 g g j  | 48 8     | 99.2    | 99.2  |
| 2 2%             | 78,7          | 9/28      | 6497: AO           | 3 YU#     | 의 스튜플링!     | 95+9     | 90.1:  | 97/9           | 98 s 81      | 99 (2)   | 99 z 2i   | 99.2     | 99 - 61 | 00-0  |
| <b>ટ</b> સ્      | 10.1          | 0697      | 27:11 70:          | 3 70¢     | Di 7019!    | 79.7     | 40 . I | 7747           | 49.8         | 99.2     | 79 EZ     | 99.2     | 99.60   | DDAD  |
| <u>≥</u> ;       | 10611         | ag + A    | 89.1 90            | à AO≜     | 3 AB * P    | 75,5     | 76.7   | 7779           | 48 * 8       | 99.2     | 99.2      | 99 . 2   | 89.91   | 00.0  |
|                  |               |           |                    |           |             |          |        |                |              |          |           |          |         |   |

TOTAL NUMBER OF OBSERVATIONS

516

USAF ETAC ... 0-14-5 (OL 1) PRE- DUS ED TONS OF THE CREW ARE DESCLETE

DATA PROCESSING DIVISION USAF ETAC AIR XEATHER SERVICE/MAC

#### CEILING VERSUS VISIBILITY

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34199 SIEGENBURG GERMANY GUNNERY RANGE 68070

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS!

SEL Y J'A UTE MIES

TOTAL NUMBER OF CSSERVATIONS\_\_\_

410

USAF ETAC TORM 0-14-5 (OL 1) PAGE OUS ED TIONS OF THIS FORM ARE DESOLETE

DATA PROCESSING DIVISION USAF ETAC AIR SEATHL SERVICE/MAC

# CEILING VERSUS VISIBILITY

| 34199 SIEGEN          | BURG GERHANY GUNNERY RANGE 68-70  |   | 70 ×                       |
|-----------------------|---|---|----------------------------|
|                       | PERCENTAGE FREQUENCY OF OF FROM HOURLY OBSERVATION                                  |   | ALL                        |
| -                     | A.D. 42   | ATUTA W. ES                                       |                            |
| ±                     | 21 21 21  | 2 • 2 24 2:8 23 2                                 | :                          |
| 1 1 89<br>2 20 T      | 40,7' 41,7' 48,1 45,2: 45,2 43,9' 45,9  | 43,8 44,4 44,4 44,4 44,4 44,4 45,9 45,5 46,5 46,5 |                            |
| <br>                  | 41,21 42,21 45,61 45,81 45,8 46,5 46,5 46,5   | 40,5 47,0 47,0 47,0 47,0 4                        | 1.0 47.0 47.               |
|                       | 41,41 42,41 43,91 40,0. 42,0 40,0 40,0 42,51 43,51 47,0: 47,21 47,2: 47,9: 47,9:    | 49.8 47.3 47.3 47.3 47.3 47.3 4                   | 7,3 47,3 47                |
|                       | 42,3 44,3 48,3 68,4 48,4 49,2 47,2  | 49,2 49,7 49,7 49,7 49,7 49,7 49,7 49,7 49,7      | 17 49 7 69                 |
| 2 8<br>2 7:           | 40,9' 48,0' 51,8' 52,0 52.0 52.7 52.7   |   | 3,2. 23,2. 53,             |
|                       |   | 53,8 5444 5444 5444 5444 5                        |                            |
| <br>2<br>2 4          | 51,1: 52,3: 50,1 50,4: 50,4: 57,1: 57,1   | 57,1 57,0 57,0 57,0 57,0 57,6 5                   | 7,0 97,0 57                |
| <u> </u>              | 32,3 53,7 57,3 57.6 57,8 58,5 58,5  | 56,5 59,0 57,0 59,0 59,0 5                        |                            |
|                       | 0011 07; 1; 72;0; 73;2; 73;2; 73;9; 73;9; 71;8; 73;0; 78;7; 79;2; 79;2; 80;8; 80;9; | 73,79 74,94 74,54 74,64 74                        | 10 01:0 81                 |
|                       | 72.0 79.0 77.2 77.8 77.8 81.9 81.5  |   | 2,2, 52,2, 52,             |
| \$ ::<br>2 ::<br>2 :: | 75,1 74,5 85,0 86,2 66,2 96,1 80,0 76,6 79,0 86,7 88,0 88,0 90,8 92,1               | 9212 9353 9653 9653 9658 9                        | 77 5977 89<br>555 9658 36  |
| ± €:                  | 70,0179,0186,9188,0189,0190,0190,0190,0170,0170,0189,0189,1189,1181,9199,93,21      | AS\$5 4343 A654 4044 x048 4                       | 1,7 97,7 97                |
| ±<br>≥                | 7030 7931 8840 8931 8761 9149 9342 7646 7931 8840 8931 8941 9149 9342               | 93,4 90,0 97,7 97,7 97,7 9                        | 777 9777 97<br>777 98:0 98 |
| 2 5x7<br>2 475        | 75.8 79.4 88.3 89.4 89.4 22.2 93.9  | 94,1 97,7 99,3 99,3 97,3 9                        | 73 9950200<br>72 9956200   |
| ≥ 350<br>≥ 200        |   | 94,1 97,7 99,3 99,3 99,3                          | 7931 7538400               |
| 2 30<br>2 0           | 75,5 75,4 88,9 87,4 57,4 \$2,2 73,7 76,5 79,4 88,2 89,4 89,4 92,2 95,9              | 94,1, 97,7, 99,3, 99,3, 99,3, 99                  | 7/21 99/0100               |

USAF ETAC ..... 0-14-5(OL 1) PRE- 0.5 FD- DNS 217F SHOR FARE CREOLETE

GATA PROCESSING DIVISION USAF ETAC AIR WEATHER SETVICE/MAC

CEILING VERSUS VISIBILITY

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34199 SIEGENBURG GERMANY SUNNERY RANGE 68-70

4:5

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

ALL

|                            | FROM H  | OURLY ORSERVATIONS  |  |  |
|----------------------------|---|---|--|--|
|                            |   | .3 7 .3 7 . 2   |  |  |
|                            | 21 21 2   |   |  |  |
| , -, -                     | 25,5 26,2 31,3 31,7<br>27,9 28,7 34,0 34,6<br>27,9 28,7 34,0 34,6 | 1.9 32.2 32.2 32.2 3<br>1.0 2.2 3.2 3.2 3<br>1.0 2.2 3.2 3.2 3        | 4.4 36.4 38.2 34.4<br>7.0 37.2 37.0 37.0                       | 34.4 34.4 34.4                                     |
| 4. *                       | 27.7 25.7 34.0 34.0 3   | 1980 B412 2316 2310 3   | 7.3 57.8 57.8 37.0   | 37,c 37,0 37,0                                     |
| : 4<br>: 1:                | 27,7 20,7 30,0 36,5 3   | 6:6 30;7 31,6 33,8 3<br>8:0 3.8 3.2 3.8 0.2 3                         | 7,0 3/56 37,0 37,5   | 37,6 37,0 37,0<br>37,2 37,5 37,5                   |
| 2 41                       | 30.0 31.8 37.0 37.7   | 7,6 37,2 31,4 33,4 3<br>117 30,0 24,0 34,0 4                          | 0-3: 40:0 40:0 10:0  | 40≥€ 90.4 40.4                                     |
| · :                        | 32,3 33,6 39,2 39,6<br>32,3 33,6 39,4 40,0                        | 9,8 40,1 41,2 11.2 c  | 2,7 42,7 43,7 42,7   | 92,7 92,7 92,7<br>92,7 92,7                        |
| 2 <b>6</b><br>2 <b>5</b>   | 36:T 36:2 66:T 43:5 (   | 11,2 43,2 42,2 42,4 4<br>3,5 42,8 43,4 43,4 4<br>2,5 43,5 45,4 43,4 4 | 0.7 to.5 46.5 46.5   | 4629 4029 6015                                     |
| 2 4.<br>. 4 <sup>2 -</sup> | 36.3 37.8 44.6 45.6 (   | 医毛 的现在分词 医动物毒素  | \$. £ 49, £ 49, £ 49, £  | <b>48:1 49:1 49:1</b>                              |
|                            | 38,3 39,6 45,6 39,5<br>40,4 42,1 49,1 30,0                        | 0.5 90.3 52.5 52.6 8  | 315 5315 531E 531E<br>515 6615 4415 6615                       | 50,0 90,0 00.5                                     |
| : 12-<br><br>              | 51、7、50多数 数数定置 60多种(  | 1923 37 s 37 s 4 7 G 2 L 2  | 3_0 73_0 73_0 73_0   | \$2.0 73.0<br>\$ 13.0 79.0                         |
| 2 200                      | 3816: 3517 6618 6817 (<br>3816: 3517 6618 6817 (                  | 625 CT22 67,0 10,11 7<br>817 6916 7118 72,5 7<br>917 7118 7816 7917 7 | 7.6 77.6 77.6 77.5   | 15,5 75,5 75,5<br>77,0 77,0 77,6                   |
| 3 20                       | 54,8 28c5 71:6 75,8 1   | 3,0.77-9 20/2 02,4 0<br>022 73:4 80:7 03:0 0                          | 9,60 7,66 9,66 9,8<br>918 895 8 895 8                          | 88, <del>7</del> 88, 9 39, 9                       |
| i ei<br>. v                | 54,51 58,61 78,11 76,21<br>24,51 58,61 78,31 76,21                | Control Control Control   | 144 7169 9164 7164   | 914 914<br>924 924 924                             |
| : <u>-655</u><br>          | 2645: 3040 :243, 704%   | 0 a 2 14 a 61 50 a 7 5 3 a 21 7                                       | Sant deef Bedf Cec   | 70 F 917 9712                                      |
| 3 400<br>3 355<br>3 255    | 3473: 5590 (231 7016)   | 1912 1914 9017 9318 9<br>012 1914 9017 9318 9                         | 5)5 96;0 96;0 94;8<br>5:8 96;0 97;8 97;7<br>5:8 93;6 97;8 97;7 | 76,7 76,7 77,1<br>97,8 76,9 79,6<br>98,7 76,9 99,4 |
| 2 %                        | 54,5 50,0 73,1 70,2<br>54,5 50,0 73,1 70,2                        | 562 7864 88.7 33.5 V  | 363. 90:01 97:51 97:17   | 7643 571110010                                     |

USAF ETAC COLD 0.14 5:OE 11 personal process of the lower changing

DATA PROCESSING DIVISION USAF STAC AIR MEATHER SERVICE/MAC

#### CEILING VERSUS VISIBILITY

34199 STEGENBURG GERMANY GUNNERY RANGE 68-70

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PERCENTAIGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

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TOTAL MEMBER OF DISERVANDING 57

USAF ETAC LLD 0 4 5 OLT PRODUCT NO TWO LAWAR LEADS

## CEILING VERSUS VISIBILITY

34199

SIEGENBURG GERMANY GUNNERY RANCE 68-70

7.63

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL

| _+ NG<br>+{{\begin{align*} \text{*} & \text{*} | **             | • |                          | \ \$ 6'L "Y S"A | "L"E MILES             |                        |                        |                        |
|--|----------------|---|--------------------------|-----------------|------------------------|------------------------|------------------------|------------------------|
|  | 2 0 ≥ 6        | ≥ 5 ≥ 4 ≥                               | 3 22- <u>2</u> 2         | . , 5           | 2 . 2                  | 2 4 2 5 8              | ≥ 2 3 5 6              | ≥ 4 ≥ 3                |
| NE GE NO<br>22.7   | 11.6<br>14.7   | 19,9 20.5 22                            | ,2 17,2 18<br>,1 22,1 23 |                 | 19,9 21,2<br>25,2 26,6 | 21,5 31.7<br>26,9 27.0 |                        |                        |
| 8 8001<br>2 6001   | 14,7           | 15.9 20.5 22                            | 1 22.1 23                | 4 25.2          |                        | 26,9 27,0              | 27.4 27.4              | 27,7 27,7              |
| = 4000<br>≥ 7000   | 14,7           | 15,9 20,5 22                            | 1 22.1 23<br>1 22.1 23   |                 | 25.2 20.6              | 20,9 27.0              | 27.4 27.4              | ZASA Z4 Z4 Z           |
| 2 00 0<br>2 9000   | 16,2           | 17,5 22,6 24                            | \$ 24,5 25<br>.8 24,6 26 |                 | 27,4 28,8              | 29,1 29,2 29,7 29.8    | 30.2 30.3              | 20,0 30,0              |
| ≥ 8000<br>≥ 7000   | 17,5<br>18,1   | 18,8 24,2 26<br>20,0 25,0 27            | 0 26 0 27<br>7 27 7 29   | 0 29.4          | 29.4 30.7              | 32,6 32,9              | 31,6 31,6              | 21,9 31,9              |
| ± 650€<br>≥ 5000   | 18,7<br>19,1   |   | 9 28,9 31<br>5 29,5 31   | f               | 93,1 34,4<br>94,1 95,5 | 35.8 35.9              | 35,3 35,3<br>36.4 36.4 | 35,8 35,8              |
| ≥ 4500<br>≥ 400¢   | 21,2           |   | 71 - 7 - 7 - 7           | 9 34.1          |                        | 36.0 30.3              | 36,8 36,8<br>39,6 39,6 | 37.2 37.2              |
| 2 35.0<br>≥ 3000   | 21,9           | 26.9 31.0 34                            | 5 32 5 35<br>3 34 3 37   |                 | 37,8 39,5              | 92.3 42.4              | 90,4 40,4              | 90.8 90.8<br>43.3 43.3 |
| ≥ 2500<br>≥ 2000   | 20,3           | 32.0 40.9 44                            | 39-3 42                  | 3 45,1          | 45,5 47,9              | 40.5 48.7<br>55.3 55.5 | 49,3 49,3<br>56.1 56.1 | 96,5 56,5              |
| ≥ 1800<br>≥ 1500   | 29,8<br>32,2   | 38.2 44.7 49                            | 3 49 3 94                | 2 51,0          | 52,1 95,0              | 55,8 55,9              | 56,5 50,5<br>66,4 64,4 | 97.0 57.0<br>98.0 68.0 |
| ≥ 200<br>≥ 200   | 32,5<br>32,8   | 35,9 45,5 50                            | 4 5004 50                | 1 59.6          | 00.4 04.5              | 72.6 72.6              | 90,3 60,3<br>73.1 73.1 | 06,9 66,9<br>73,7 73,7 |
| ≥ 9C.<br>≥ 800   | 32,8<br>32,8   | 30:2 45:1 56                            | 9 59,9 00                |                 | 0,07 E-00              | 72.7 72.8              | 73.4 73.4              | 79.0 79.0              |
| ≥ 700<br>≥ 600   | 33° I<br>35° B | 30,2 40,8 55                            | 0 55 0 61<br>5 55 9 61   | 2 65 1          | 67,4 79.9              | 79,3 74,5              | 75,1 75,1              | 78,0 78,0              |
| ≥ 500<br>≥ 400   | 33,2<br>33,8   | 30,8 49,4 55                            | 0 59 0 02                | Y   F = 7       | 67,8 75,7              | 80,0 81,0              | 81,6 81,6<br>84,0 84,1 | 03.4 53.4<br>06.5 86.8 |
| ≥ 300<br>≥ 200   | 23,2<br>33,2   | 36,0 49,4 55                            | 0 55 6 62                |                 | 57,0 75,0              | 82,2 83,8<br>92,2 84,6 | 05.2 05.0              | 89.8 90.7              |
| ≥ 100<br>≥ 0   | 99,2           | 30,0 60,4 55<br>30,0 40,4 55            |                          | 12 00 2         | 27.8 75.8              | 82,2 84,6<br>92,2 84,6 |                        | 75 80 97.5             |

TOTAL NUMBER OF OBSERVATIONS 674

USAF ETAC JULIA 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## CEILING VERSUS VISIBILITY

34199

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SIEGENBURG GERMANY GUNNERY RANGE 68-70

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL

|  | . –   |      |              |         |               |      | · ·                  | E. " S'A     | <br>                 | ,            |                      | _            |          |              |                      |                      |
|--|-------|------|--------------|---------|---------------|------|----------------------|--------------|----------------------|--------------|----------------------|--------------|----------|--------------|----------------------|----------------------|
| , x =                                  | <br>: | 20   | · - •<br>• • | <br>: 4 | <br>2.        | ٠.   | ::                   | <u> </u>     | <u> </u>             |              | ≥ %                  | 2 5 8        | -<br>≥ > | <br>≥ 5 •    | · · · · ·            | <b>≥</b> .           |
| ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, |       | 11,9 | 12,6         | 13.9    |               | 14,6 | 15.0                 | 15.6         | 15,6                 | 16,8         | 17.8                 | 17.8         | 17,8     | 17,8         | 17,8                 |                      |
| ≥ 8<br>2 ÷ ^ ^                         | -     | 12,4 | 13,1         | 19:9    | 15.1.<br>15.1 | 15.1 | 10,1                 | 10,3         | 10.3                 | 17/3         | 18,3                 | 18,3         | 18,3     | 16,3         | 16,3                 | 18,6                 |
| ≥ 4<br>≥ 201                           |       | 12.9 |              | 14.9    | 15.6          | 15.6 |                      | 15.8:        | 10.8                 | 17.8         |                      | 10.0         | 18,8     | 18,8         | 18,8                 | 19,1                 |
| 2 90                                   |       | 15.1 | 10.1         |         | 10,3          | 18,3 | 19,3                 | 19.6         | 1900                 | 19,5<br>20,5 | 21.5                 | 21,5         | 21.5     | 21,35        | 21,5                 | 21.8                 |
|  |       | 10.6 | 17,6         | 18,8    | 19.8          | 19.8 | 20,8                 |              | 21.0                 | 22,0         | 23,0                 | 29.0         |          | 23.0         | 23,0                 |                      |
| 2 5                                    |       | 23.8 | 23,8         | 26,5    | 27,5          | 27,5 | 20,5                 | 29.0         | 29.0                 | 30.0         | 31,6                 | 30.9         | 31,4     | 30.9         |                      | 31,7                 |
| £ 41                                   |       | 25.0 |              | 31.7    | 31,4          | 32.7 | 33,7                 | 32,9         | 34:2                 | 35,1         | 10,1                 | 34,9         | 30.1     | 36,1         | 30.1                 | 36,4                 |
| 2 2500<br>2 2500<br>2 2000             |       | 29,7 | 32.7         | 2712    | 3640<br>58.7  | 3444 | 35,4<br>40,1<br>55,9 | 40,0         | 40,0                 | 41.0         | 37,9<br>46,0<br>56,7 |              | 42,6     | 37/9         | 97,9<br>92,0<br>58,7 | 38,1<br>42.8<br>58.9 |
| 2 60v<br>≥ 500                         |       | 41,8 | 49,8         |         | 95.           | 5517 | 57.9                 | 39.7         | 56,7                 |              | 00.0                 | 60,6         | 00,0     | 60,6         | 20.0                 | 60,9                 |
| 2 200<br>2 000                         |       | 40,8 | 51,0         | QE . P  | 65,2          | 65,8 | 26.7                 | 70,3         | 70,11                | 73.5         | 76,0                 | 72,0         | 72.0     | 72,8<br>76,5 | 12,0                 | 73,0                 |
| ⊴ 9,0<br>8.                            |       | 47,3 | 27721        | 64.1    | 67,1<br>68,6  |      |                      | 75+5         |                      | 78,0         | 77,0                 | 77,0<br>80,7 | 8017     | 77,0         | 77.00<br>81.2        | 81,4                 |
| ≟ 600<br>≟ 600                         |       | 47,8 | 52,2         | 04.6    | 69,1          | 69,1 | 73.5                 | 70+2<br>70+2 | 70,5<br>70,2<br>77,7 | 80,7<br>80,7 | 82.2                 | 83,4         | 83.4     | 03,9         | 02,2<br>03,0         |                      |
| ≥ 500<br>≥ 400                         |       | 48,2 | 52,7<br>52,7 | 65,1    | 69,8          | 69,8 |                      | 60,0<br>60,0 | 61.04                | 85,6         | 87,9                 | 39.4         | 89.4     | # !          | 89.9                 | 90,1                 |
| 2 300<br>2 200                         | · -   | 40,3 |              |         | 69,8          | 69,8 |                      |              | 81,4                 | 87,9         | 91,3                 | 92.8         | 92.8     | 93,8         | 99.8                 | 95.0                 |
| ≥ 150                                  |       | 48.3 | T P 3.1      | 65,1    |               |      |                      | 80.0         |                      |              | 65.7                 | 93.6         | 83.6     | 95,8         | 96.5                 | 100,0                |

TOTAL NUMBER OF OBSERVATIONS

# CEILING VERSUS VISIBILITY

|                        |            | * 4 * * * * * | PERCE        | NTAG | E FREG | UENC             | Y OF C       | CCURR        | RENCE | *15          |              |      |              |                      | EC<br>LL     |
|------------------------|------------|---------------|--------------|------|--------|------------------|--------------|--------------|-------|--------------|--------------|------|--------------|----------------------|--------------|
|                        |            |               |              | FROM | HOURI  | LY OBS           | SERVAT       | IONS)        |       |              |              |      |              | NC.PS                | £ \$77-      |
| x                      |            |               |              |      |        |                  | 58.7° 5°     | A"_"{ ~ , (  | :\$   |              |              |      |              |                      |              |
| ≥ ≎                    | ≥ 6        | ≥ 5           | 2.4          | ₹.   | 27-    | • •              | 2 :          | 2 4          | <br>د | ≥ ¼          | ≥ 5 8        | ≥ 7  | 2:6          | ≥ .                  | ≥ ɔ          |
| 2 2<br>2 2             | 6.0<br>6.7 | 8,2           | 15,1         | 17.3 | 17.3   | 18 + 0<br>18 + 7 | 16,2         | 16,2         |       | 23,0         | 23.0         | 23.0 | 23.0         | ~ ~ ~ ~ ~            | 23.0         |
| ± 8000<br>≥ 6000       | 6,7        | 8.9           | 15.8         | 18,0 | 18.0   | 18.7             | 18.9         | 18.9         | 23,7  | 23.7         | 23.7         | 23,7 | 23/7         | 22.7                 | 23,          |
| 2 14.0.<br>2 120.0     | 6.7        | 8,9           | 15.8         | 18.0 | 18.0   | 1847             | 18.9         | 18,9         | 23.7  | 23,7         | 29,7         | 23.7 | 29,7         | 23/7                 | 23.7         |
| 2 .100<br>2 9001       | 6,7        | 8.9           | 15,8         | 18.0 | 18,0   | 18.9             | 19,2         | 19:2         | 24,0  | 24,0         | 24,0         | 24.0 | 29,0         | 20 - C               | T 3 2 Y      |
| 2 1000                 | 10,1       | 12,5          | 19.7         | 21.8 | 21.8   | 22.0             | 29.0         | 23.0         | 29.3  | 29,3         | 29,3         | 29,2 | 29,3         | 2073                 | 29,3         |
| ≥ 6<br>≥ 5;            | 1944       | 16.8          | 21.3         | 23,5 | 23,5   | 2975             | 29.7         | 24.7         | 30.5  | 30,9         | 30,9         | 30,9 | 30.9         | 20/3<br>20/9<br>20/2 | 29,3<br>30,9 |
| 2 45°<br>2 4000        | 14,6       | 10,8          | 24,9         | 27.1 | 27,1   | 28,1             | 24.3         | 2853         | 34,5  | 34,5         | 34.5         | 34,5 | 34,5         | 3435                 | 34.3         |
| ± 350.<br>≥ 3001       |            | 20,1          | 20.0         | 30,5 | 30.5   | 33.1             | 3313         | 33.3         | 37.9  | 37.9         | 37.9         | 37.9 | 37,9         | 3779                 | 37.9         |
| 호 25년<br>본 2000        | 20.9       | 23,5          | 30,2<br>32,6 | 32.4 | 32.9   | 3633             | 34,5         | 3905         | 90.8  | 40.8         | 40.8         | 40.8 | 40.8         | 40.0                 | 90.8         |
| ≥ 1800<br>≥ 1500       | 33,9       | - + F 1       | 33,8         | 36.0 | 36.0   | 924              | 90.0         | 4879         | 33.0  | 48.2<br>54.0 | 48.2         | 48.2 | 46.2         | 50.2                 | 60,2<br>86.4 |
| ≥ 200<br>≥ 000         | 25,9       | 30.9          | 41.0         | 40,3 | 45.5   | 49.2             | 50,8         | 97/7         | 59.7  | 00.7         | 61.2         | 01.2 | 61/2         | 61.2                 | 03.2         |
| 2 YUU<br>2 800         | 25.9       | 30.9          | 43,6         | 46,3 | 40,3   | 49-4             | 51,5         | 52,5         | 66.7  | 69.3         | 69.9         | 69.9 | 69.8         | 69.6                 | 69.6         |
| 2 7⊌0<br>≥ <b>6</b> 05 |            | 30,9          | 43,0         | 46,8 | 46,8   | 49,0<br>50,1     | 53.0         | 53.7<br>55.2 | 70.5  | 70,7         | 71.5         | 75.5 | 71,5         | 75.5                 | 71,5         |
| ≥ 500<br>≥ 400         | 2519       | 30.9          | 9991         | 46.8 | 46.8   | 50,1<br>50,1     | 54,0<br>54,0 | 55,0<br>55,6 | 77,0  | 80.3         | 84,2<br>90,2 | 90.2 | 5412<br>90.2 | 90.2                 | 90.2         |

TOTAL NUMBER OF OBSERVATIONS \$1

USAF ETAC JULIE 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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#### CEILING VERSUS VISIBILITY

| 34786    | SIEGENBURG GERHANY GUNNERY RANGE      | 09=70  |  |
|----------|---------------------------------------|--------|--|
| ration . | ATTRECTORIS RELIGION AND LEGAL BRIDGE | ATĖTA. |  |

**ceobabac**o <del>î</del>ÿv

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

4 5 8 4 TV - 5"A"L"E MILES 6,1, 6,1. 6.1 6.1 4.1 Sil 6.1. 6.2. 6,1 ≥ ofi. ≥ 9001 7,0 7.0 7,0 7.0 7.0 7.0 ≥ 8000 ≥ 7000 7,0 7,0 7.0 7.0 7.0 2 6000 ≥ 500 ≥ 450. ≟ 4000 ≥ 2500 ≥ 2000 ∠ 800 ≥ 500 2,61 2.0 2 300

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC .... 0-14-5 (OL 1) PRE- OUS EDIT ONS OF THIS FORM ARE DESOLETE

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*J*:

## CEILING VERSUS VISIBILITY

SIEGENBURG GERMANY GUNNERY RANGE 69-70 36199

**- 6500-170**5

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

· CE. " S'A"U'E MIES 2 8700 - 7.00 2 4.5. 2 2.7. ≥ 3. 800 <u>-</u> ≥ 700 ≤ 600 9.8 10.7 17.9 9.8 10.7 17.9 17:0 17:0 17:0 22:0 22:0 02:0 99:0 96:0 97:7 97:3100:01:00:0 17:0 17:0 22:0 22:0 02:0 99:0 96:4 97:7 97:3100:01:00:0 17:0 17:0 22:0 22:0 02:0 99:0 96:4 97:3 97:3100:01:00:0 17:0 17:0 17:0 22:3 22:3 62:3 93:8 96:4 97:3 97:3100:01:00:0 2

TOTAL NUMBER OF ORSERVATIONS\_\_\_\_

USAF ETAC ..... 0-14-5 (OL 1) PREV DUS ED-10% OF THIS FORM ARE OBSOLETE

9.8 10.7

## CEILING VERSUS VISIBILITY

- -- - - <del>-- -- --</del> --- --

34199 SIEGENBURG GERHANY GUNNERY RANGE 69=70

HAY.

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

+ S.B., TY STATUTE HILFS

150001400

| Ī                  |     |            |              |      |              |      |      |              |              |         |              |              |        |              |                |                |
|--------------------|-----|------------|--------------|------|--------------|------|------|--------------|--------------|---------|--------------|--------------|--------|--------------|----------------|----------------|
| * -                | ≥ - | ≥ 6        | 2.5          | ž ~  | ž .          | 2    | ≥ 2  | ≥ 3          | ≥ .          | 2       | ≥ ¾          | ≥ 5 8        | ≥ :    | 2: 5         | ≥ .            | * 1            |
| 4. 11 N3<br>2 4 \$ |     | 5,5        | 5,5          | 9,1  | 9.1          | 9.1. | 9:1  | 9,1          | 9.1          | 15,5    | 15.5         | 15.5         | 15.5   | 15.5         | 15,5           | 15.5           |
| } s.5.<br>≥ .555   |     | 5.5        | 2.3          | 7.1  | 9,1          | 9,1  | 9.1  | 9,1          | 9.1          | _12 a2: | 15.5         | 1242         | 15.5   | 15.5         | 15,5           | 15.5           |
| 2 4100<br>2 2000   |     | 5,5<br>5,5 | 515          | 9.1  | 9.1          | 9.1  | 9,1  | 9,1          | 9.1          | 15.5    | 15,5         | 15.5         | 15.5   | 15,5         | 12:2           | 15.5           |
| 2 0000<br>2 9000   |     | 7.9        |              | 10.9 | 10.9'        | 10.9 | 14:7 | 18,7         | 12.7         | 20.0    | 20,0         | 20.0         | 20.0   | 20.0<br>20.0 | 20.0           | 20.0           |
| ≥ \$500<br>≥ *500° |     | 10,0       |              | 13,6 | 13,6         | 13.6 | 10.0 | 15,5         | 15.5         | 20.0    | 26.4         | 20.4         | 26,4   | 20,4         | 26,4           | 26,4           |
| ≥ 6000<br>≥ 500    |     | 10,0       | 10.9         | 15.5 |              | 17.3 | 19,1 | 19.1         | 19.1         | 30,9    | 30.9         | 30,7<br>84.5 | 30.9   | 30,9         | 30.5           | 30.9           |
| 2 4500<br>_ 400.   | _   | 10,0       | 10,9         | 18.2 | 20.9         | 20.0 | 7267 | 21.8         | 24.8         | 34.5    | 34,5         | 34.5         | 34,5   | 34.5         | 34.5           | 30.5           |
| ≥ 3500<br>≥ 2000   |     | 10.0       | 1989         | 18,2 | 20,9<br>22,7 | 20.7 | 22.7 | 26.5         | 26.4         | 37,3    | 37.3         | 37,3         | 37.3   | 37,2         | 37,3           | 37,3           |
| 2 22%<br>2 2000    |     | 11.8       | 12.7         | 20.0 | 82,7<br>23.4 | 2267 | 27:3 | 29.1         | 29.1         | 47.8    | 40.0         | 67.2         | 90 y 5 | 47.5         | 40.9           | 47.3           |
| ≥ +800<br>≥ 300    |     | 11.5       | 12.7         | 20,9 | 29.5         | 24.5 | 27 2 | 30.0         | 30.0         | 45.2    | 47.3         | 47.8         | 47,3   | 42,2         | 48.7           | 47,3<br>48,2   |
| ≥ 200<br>≥ 000     |     | 12.7       | 13,0         | 21.8 | 24,5         | 24.5 | 26,2 | 32.7<br>32.7 | 32/7         | 10,0    | 52.7         | 52.7         | 52.7   | 52,7<br>60,9 | 52.7           | 52.7           |
| ≥ 900<br>≥ 800     |     | 12.7       | 13,6         | 21.8 | 4            | 20.5 | 25.2 | 32.7         | 32.7         | 60.0    | 60,0<br>60,0 | 60.9         | ·00.9  | 60.9         | 60 % &         | \$0.9<br>\$0.9 |
| 20° ≤<br>30° ≤     |     | 12,7       | 13,0         | 21,8 | 24,5<br>27,3 | 27.3 | 3019 | 35.5         | 35.7         | 60.0    | 60,0         | 60,9         | 65,5   | 69.43        | 05 35          | 65,5           |
| ≥ 500<br>≥ 400     |     | 2007       | 13,6<br>13,6 |      | 27,3         | 27,3 | 30.0 | 35.5         | 35,5         | 65,5    | 7000         | 72.7         | 86.4   | 72,7         | 72,7           |                |
| ≥ 300<br>≥ 200     |     | 12.7       | 13,0         | 26,5 | 27,3         | 27,3 | 30.9 | 35.5         | 95;5<br>85;5 | 70,0    | 94.5         | 91,8<br>98,2 | 69.1   | 92,7         | 100.0          | 92,7           |
| € 50<br>≥ ¢        |     | 124        | 13.6         | 24.5 | 2703         | 27,3 | 30.5 | 35,5         | 99,5<br>95,5 | 70.0    | 9475         | 98,2<br>98,2 | 99.1   | 99.1         | 100°C<br>100°C | 100.0          |

USAF ETAC .... 0-14-5 (OL 1) PRE- OUSED'T ONS OF THIS FORM ARE OBSOLETE

## CEILING VERSUS VISIBILITY

TOTAL NUMBER OF OBSERVATIONS

| 515                     | GENBU  | <u> 70 051</u> | SUBSI.       | OUNNI  | :51 .6: | ENVE   | 672             | ru.     |            | 11            | · ·    |                        |           | _                      | <del></del>    | ***          |
|-------------------------|--|----------------|--------------|--------|---------|--------|-----------------|---------|------------|---------------|--------|------------------------|-----------|------------------------|----------------|--------------|
|                         |  |                |              |        |         |        | UENCY<br>LY OBS | -       |            | ENCE          |        |                        |           |                        | <u>1508</u>    | <u>+</u> 170 |
|                         |  |                |              |        |         |        |                 | 5 5 5 . | -"-"E * LE | s             |        |                        |           |                        |                |              |
| •                       | 2 :  | ≥ 6            | ≥ :          | ≥ 4    | ≥.      | ٠.     | 2.2             | 2       |            | 2             | ≥ ¾    | ≥ 5 8                  | 2 1       | >: :                   | 2 •            | 2;           |
| NOW NE                  |  | 12.2           | 14.6         | 22:0   | 22.0    | 22.0   | 26,8<br>26.8    | 26.8    | 29,3       | 34,1          | 34.1   | 36.1                   | 34.1      | 34.1                   | 36.1           | 34,          |
| 2 <b>6</b> 00<br>2 40,0 |  | 12.2           | 14,6         | 22.0   | 22.0    | 22,0   | 26.8            | 26.8    | 29,3       | 36.1          | 36.1   | 34,1                   | 34,1      | 34.1                   |                |              |
|                         |  | 12.2           | 14,6         | 22,0   | 22.0    | 22,0   | 26.81<br>26.8   | 26,6    | 29.5       | 34.1          | 34.1   | 34.1                   | \$4.1     | 34.1                   | 34.1           | 34,          |
| 2 0000<br>≥ 9000        |  | 12.2           | 14.6         | 22.0   | 24,4    | 26 .6  | 34,1            | 34.1    | 36.6       | 41.3          | 41.5   | 41,5                   | 41.5      | 41.5                   | 41.3           | 41.          |
| = <b>5</b> 0<br>= 70.0  |  | 14,6           | 17,1<br>17,1 | 24.4   | 26.8    | 20 4 8 | 36.6<br>36.6    | 30 10   | 37 FO      | 90.0          | 40 e 8 | 98.5                   | 4 5 4 5 t | 44 * 4                 | 46.95          | 40 e         |
| ≥ 5.11<br>≥ 5.11        |  | 16.0           | 17:1         | 23,8   | 29.3    | 29,3   | 39,0            | 36,0    | 41.5       | 31.2          | 51.2   | 51.2                   | 51.2      | 51.2                   |                | 51.          |
| 2 44<br>2 4,11          |  | 14,0           | 19,5         | 20.5   | 31.7    | 31 j7' | 39,0            | 91,5    | 43.9       | 35.7          | 58.7   | 100                    | 33.7      | 53,7                   | 2377           | 39 g         |
| 2 151-<br>2 117<br>     |  | 19.5           | 26,8         | 34,1   | 39.0    | 39.C   | 48,8            | 48,8    | 2132       | 01.0          | 61,0   | 61.0                   | 91.0      | 35.0                   | 01:0           | 0.           |
| 2 25.2<br>2 2000<br>    |  | 2444           | 31.7         | 39:0   | 45.3    | 46.3   | 56,1            | 56.1    | 58.5       | 01,0          | 68.3   | 6803                   | 28.3      | 48.3                   | 65.3           | 48,          |
| # 800<br># 500          |  | 2019           | 31,7         | 37.0   | 40.3    | 46.3   | 50.1            | 56.1    | 3075       | 60.3<br>E 000 | 68,3   | 65,3                   | 45.3      | 18.2                   | 66.3           | 68.          |
| # 101<br># 111<br>=     |  | 6919           | 31,7         | 34 * O | 40+3    | 90 93  | 20:1            | 54,3    | 56.5       | 75.0          | 75.0   | 79,2<br>76.0           | 76.0      | 78.0                   | 78.0           | 73 ,         |
| 2 ¥.5<br>200            |  | 24.6           | 31,7         | 39.0   | 46.3    | 46.3   | 36.1            | 56.1    | 5648       | 75.6          | 75.6   | 78,0<br>78.0           | 76 . 0    | 78.0                   | " <b>7</b> 号。0 | 70.          |
| 2 70°<br>2 65∪<br>-     | <u>+                                    </u> |                | 31.7         |        |         |        |                 | 50.1    | 20:31      | 73.0          | 7265   | 73,0                   | `78.G     | 76.0                   | 78.0           | 70,          |
| 2 400<br>               |  | 2646           | 3177         | 36.0   | 46.3    | 46.3   | 56.1            | 50.1    | 5575       | 80,5          | 90.2   | 92.9                   | 92.7      | 72.7                   | 7277           | 922          |
| ≥<br>≥ ::<br>— : -      |  | 2434           | 31,7         | 25.20  | 90,3    | 40.3   | 20.1            | 56.1    | 55.5       | 30.3          | 97.6   | 97.6<br>100.0          | 100.0     | 700%0                  | 10070          | 200.         |
|                         |  | 6719           | 31.7         | 34.0   | 46.3    | 46-9   | 36.             | 55.     | 38.3       | 80.5          | 97.6   | 789*0<br>ró∆€ <i>0</i> | 100.0     | 700 <u>50</u><br>70050 | 700°0          | 100.         |

USAF ETAC JULIE 0-14-5 (OL 1) PPEN OUS ED TIONS OF THIS FORM ARE OBSOLE E

## CEILING VERSUS VISIBILITY

|                         |              |       |              |         |         |        | LY OBS     |              |               | ENCE |      |       |              |       | _ច€ប៊ីប៉         | ≖ÓÿO |
|-------------------------|--------------|-------|--------------|---------|---------|--------|------------|--------------|---------------|------|------|-------|--------------|-------|------------------|------|
|                         |              |       |              |         |         |        |            | \$3 · (*)    | 4", "t w , q" |      |      |       |              |       |                  |      |
|                         | ≥ :          | ≥6    | 3 '          | ≥ 4     | ≥ :     | 21-    | <u>:</u> : | <b>2</b> :   | <u>&gt;</u> . | ≥ .  | ≥ %  | ≥ 5 8 | ì :          | 2 5 6 | 2 4              | ≥ :  |
| कर्ति क्र<br>217 :      |              | 1117  | 11.7         | 15.5    | 13.5    | 13.5   | 36+4·      | 14.6         | 14-6          | 16,2 | 10.2 | 16,3  | 16.2         | 16,2  | 16.2             | 16   |
| 2 kili<br>2 kili        |              | 1117  | 11,7         | 18.5    | 200     | 13.5   |            | 14.4         | 14 4          | 16.2 | 10.2 |       | 16,2         |       | 16.2             |      |
| 2 A C                   |              | 11.7  | 11.7         | 12.5    | 13,5    | 13.5   | 10.4       | 14.4         | 14:4          |      |      |       |              | 16,2  |                  |      |
| <br><br>                |              | 19.5  | 14,4         | 10.2    | 10 c 3; | 10 0 £ | 17:1       | 17,1         | 17.1          | 18,9 | 16,9 | 18.9  | 18,9         | 18,9  | 13,9             | 10   |
| ≥ 8+.<br>2 1:           | <del>_</del> | 16.3  |              | 19,0    | 9.8     |        | 20.7       | 20.7         | 20:7          | 22.5 | 22,5 | 22,5  |              | 22,5  | 22,5             | 22   |
| · · ·                   |              | 19,3  | 10,2         | 19,8    | 19,0    | 19.5   | 20.5       | 20,7         | 2017          | 32.5 | 23.5 | 22.5  | 22,5         | 22,5  |                  | 22   |
| 2                       |              |       | 10,0<br>10,0 | 27.9    | 27.9    |        | 28.5       | 28,5         | 28.5          | 30.4 | 30.6 | 30,6  |              | 30,6  | 20,6             | 90   |
| -<br>                   |              |       | 18.0         | 27,0    | 27,9    | 27.9   | 25 × 8     | 25,6         | 28,0          | 30,6 | 30,6 | 3000  | 30.6         | 30,0  | 30,0             | 20   |
| 2 49-<br>2 11-1         | <del></del>  | 20,7  |              | 51.5    | 31.5    | 21.5   | 93:4       | 32.4         | 32,4          |      |      | 40,5  |              | 40,5  | 4000             | 40   |
| 4 800<br>2 200          |              | 234   | 26,3         | A. F.S. |         | -91.4  | 92,3       | 42,3         | 42.3          | 30.6 |      |       | 58.6<br>72.1 | 56,0  |                  | 59   |
| . 450<br>2 100<br>2 100 |              | 20.0  | 31,5         | 82.8    | 52.5    | 52.5   | 53.2       | 29,2<br>25,8 | 5332          | 78.1 | 7201 | 91.9  | 7211         | 72,1  | 91.9             | 73   |
|                         |              | 30,0  | 21,5         | .55,0   | 55-0    | 55.0   | 50 e 6     | 50.8         | 56,8          | 91.9 | 91.9 | 91,9  | 92.6         | 91.9  | 9179             | 91   |
|                         |              | 30,5  | 38,5         | 53,0    | 55.0    |        | 5693       | 20,0         | 50,8<br>56,8  | 91.0 | 92,0 | 92.8  | 92.8         | 92,8  | 92.0             | 92   |
| 2 55c<br>≥ 400          |              | 30,6  |              | 55,0    | \$5,0   |        | 2000       |              | 30,8          |      |      | 94.0  | 94.0         | 94.0  | 94-6             | 74   |
|                         |              | \$9,0 |              | 55.0    | 55,0    |        | 2818       | 20.8         | 50.0          | 93,7 | 94.0 | 96.4  | 97.2         | 97,3  | . \$7.2<br>100€0 | 77   |
|                         |              | 300   | 31,5         | .53.0   | 55,0    | 55.0   | 50.8       | 50.8         |               | 99,7 | 90,6 |       | 97:3         | 97.3  | 10040            | 100  |

TOTAL NUMBER OF DESERVATIONS 131

USAF ETAC .... 0-14-5(0), 1) PREVIOUS EDT CALOFT SEPTEMBE OBSOLUTE

USAF ETAC JULY 0-14-5 (OL 1) PREVIOUS ED TONS OF THIS FORM ARE OBSOLETE

## CEILING VERSUS VISIBILITY

TOTAL NUMBER OF OBSERVATIONS.\_\_\_\_

| <del></del>      | GENBU    | NA DEI | <u>रंग्यस्था</u> | ••           |      |                 | 6 <u>9×</u>  |              |            |              | *5   |                      |              | -                    | <u>-                                  </u> | <u>EB</u>         |
|------------------|----------|--------|------------------|--------------|------|-----------------|--------------|--------------|------------|--------------|------|----------------------|--------------|----------------------|--|-------------------|
|                  |          |        |                  |              |      | E FREQ<br>HOURL |              |              |            | ENCE         |      |                      |              |                      | _ <del>0500</del>                          | <del>ĕ11</del> 00 |
|                  |          |        |                  |              |      |                 |              | S B., 7 57   | 4". "E M.E | \$           |      |                      |              |                      |  |                   |
|                  | <u> </u> | ≥ 6    | ≥ 5              | 2.4          | ≥ 3  | ≥ 2             | ≥ 2          | ≥ 1 3        | ż .        | ≥ .          | ٤ 4  | 3 2 ≤                | ≥ 1          | ž 4 6                | ≥ 4  | ≥ ≎               |
| NO OF NO         | _        | 14.4   | 14,4             | 18.0         | 18.0 |                 | 18.9         | 21.6         | 21,6       |              | 21,6 | 21.6                 | 21.6         | 21,6                 | 21.6                                       | 21,6              |
| ≥ 800°<br>≥ 6000 |          | 14:4   | 14,4             |              | 18.9 | 18,9            | 19.8         | 22.5         |            |              | 22.5 | 22,5                 | 22,5         | 22,5                 | -46-5-6-                                   | 22.5              |
| 2 4TTT<br>2 TTTT |          | 14,4   |                  |              |      | 10,9            | 19,8         |              | 22,5       |              | 22,5 | 22.5                 | 22.5         | <u> </u>             | 22,5                                       |                   |
| ≥ 0001<br>≥ 9001 |          | 14.4   | 14,4             |              | 18.9 | 18.9            | 19.3         | 22.5         | 22,5       |              | 22,5 | 22,5                 | 22,5         | 22,5                 | 22.5                                       | 22.5              |
| ≥ 8000<br>≥ 7000 |          | 16.2   | 10.2             |              |      | 23.4            | 24.3         |              | 27.0       | 27.0<br>27.0 | 27.0 | 27.0                 | 27.0         | 27,0                 | 27.0                                       | 27,0              |
| ≥ 6000<br>≥ 5000 |          | 16,2   | 16,2             | 23.4         |      | 23.4            | 24.3         |              | 27.0       | 27.0         | 27,0 | 27.0<br>27.0<br>35.1 | 27,0<br>35.1 | 27,0<br>27,0<br>35.1 |  |                   |
| ≥ 4500<br>≥ 4000 | -        |        | 22,5             |              |      | 30,6            |              |              | 3412       |              | 35,1 | 35,1                 | 35.1         | 35,1<br>35,1         |  | 35.1              |
| 2 2500<br>2 3000 |          |        |                  | 32.4         |      | 32.4<br>32.4    | 9373         | 35.0         | 36.0       | 37.8         | 37,6 | 97.8                 | 37.6         |                      | 37.8                                       | 37,8<br>37.8      |
| ≥ 2500<br>≥ 2000 |          | 20,1   | 27,0             | 35,1         | 35,1 | 35,1            | 30,0<br>48.6 |              | 36,7       | 49.2         | 43.2 | 49.2                 | 93.2         | 48,2                 |  | 48,2              |
| ≥ 1800<br>≥ 500  |          | 33.5   | 36,2             | 49.7         | 50.5 | 50,3            | 52.3         | 54,1<br>55.0 | 56.8       | 62,2         | 62,2 | 5862                 | 92.2         | 02,2                 | 9252                                       | 62,2              |
| ≥ 200<br>≥ 000   |          | 34,2   | 35,1             | 68.6<br>55.9 | 58.6 | 51.0            | 92.3         | 55,0         | 56,9       | 72.1         | 72.1 |                      | 72.1         | 72,1                 | 72.1                                       | 72.1              |
| ≥ 900<br>≥ 800   | -        |        | 36,9             | 55.9         | 58,6 | 58.5            | 02.2         | 64.9         | 66,7       | 93.7         | 93.7 | 99.7                 | 93.7         | 93.7                 | 23.7                                       | 93,7              |
| 20° ≤<br>200 ≤   |          | 36.0   | 36,9             | 55.9         | 58.6 |                 | 02.2         | 64,9         | 66.7       | 93/7         | 93,7 |                      | 93.7         | 93.7                 | 93.7                                       | 93,7              |
| ≥ 500<br>≥ 400   | +        | 30.0   | 36.9             | 55:9         | 58.6 | 58.6            | 62.2         | 64.9         | 66,7       |              | 94,0 | 99.6                 | 94.6         | 25.5                 | 95.5                                       | 94.6              |
| ≥ 300<br>≥ 200   | Ī        | 30.0   | 36.9             | 50,9         | 56.4 | 58,6            | 62.2         | 54,9         | 60,7       | 94.6         | 95.5 | 97.1                 | 97.3         | 97.3                 | 9773                                       | 97.3              |
| ≥ 30<br>≥ ¢      |          |        | 36.9             | 59,9         | 38,6 |                 | 62.2         | 64,9         | 66.7       | 94,5         | 95.5 | 97.3                 | 97,3         | 97.3                 | 58.2                                       | 00.0              |

## CEILING VERSUS VISIBILITY

| -        | SIEGENBL                              | RS GERMANY GUNNERY RANGE 69-70  | FEB        |
|----------|---------------------------------------|---|------------|
|          |                                       | PERCENTAGE FREQUENCY OF OCCURRENCE  | 1200-140   |
|          |                                       | FROM HOURLY OBSERVATIONS!   |            |
|          | ζ-                                    | + 5 8 TH STATUTE MILES  |            |
|          | 2                                     | 26 2: 24 2: 2. 2: 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2   | 2 . 2      |
|          |                                       | 7.2: 7.2: 13.5: 13.5: 13.5: 14.4: 14.4: 14.4: 14.4: 14.2: 16  |            |
|          | 2 87.1<br>2 61                        | 9,0' 9,0: 15,3: 15,3: 15,3: 15,2: 16,2: 16,2: 16,0: 18,0: 18,0: 18,0: 18,0: 9,0: 9,0: 15,3: 15,3: 15,3: 16,2: 16,2: 16,2: 18,0  | 12,0 18    |
|          | 2 4.1<br>2 2                          | 9,01 9,01 15,31 15,31 15,3 16,21 16,21 16,21 18,0 18,0 18,0 18,0 18,0 9,01 9,01 15,31 15,31 15,31 16,21 16,2 16,2 16,2 18,0 18,0 18,0 18,0  | 18,0 18    |
|          | 2                                     | 9,01 9,01 15,31 15,31 15,31 16,21 16,2 16,2 18,0 18,0 18,0 18,0 18,0 9,01 9,01 15,31 15,31 15,31 15,31 16,21 16,2 16,2 18,0 18,0 18,0 18,0 18,0   | 18,0 18    |
|          |                                       | 9,0 9,0 16,2 16,2 16,2 16,9 18,9 18,9 20,7 20,7 20,7 20,7 20,7 9,0 9,0 16,2 16,2 16,2 18,9 18,9 18,9 20,7 20,7 20,7 20,7 20,7 20,7  | 20:7 20    |
|          | 2 o.<br>2 5.                          | 9,0 9,0 16,2 16,2 16,2 18,2 18,9 18,9 18,9 20,7 20,7 20,7 20,7 20,7   | 20,7 20    |
| -        | <br><br>- 4 .                         | 11.7 11.7 22,5 22.5 22.5 25.2 25.2 25.2 27.0 27.0 27.0 27.0 27.0  | 27.0 27    |
|          |                                       | 11.7 11.7 22.3 22.3 22.5 23.5 23.2 25.2 25.2 25.2   | 27.0 27    |
|          |                                       | 17,1, 17,1, 27,7, 27,9, 27,9, 30,0, 30,0, 30,0, 33,1, 35,1, 35,1, 35,1, 35,1  | 35.1 35    |
|          | <del> </del>                          | 25.2 25.2 46.8 66.8 52.3 52.3 52.3 52.3 64.0 64.0 64.0 64.0 64.0 64.0 64.0 64.0   | 66:7 66    |
| _        | = = = = = = = = = = = = = = = = = = = | 25,2 25,2 48,6 48,6 48,6 56,1 54,1 5777 70,3 70,3 70,3 70,3 70,3 70,3 70,3 7  | 7053 70    |
|          |                                       | 25.21 27.01 61.31 61.31 61.31 72.11 74.81 78.41 93.71 93.81 9 | 95,5 95    |
| <u> </u> |                                       | 29:21 27:01 01:31 61:31 61:31 78:11 74:81 78:41 93:71 93:31 95:51   | 95:5 95    |
| ,        | = <del>0.0</del><br>≥ 200<br>≥ 400    | 25,2  27,0  61,3  61,3  61,3  72,1  74,8  72,4  94,6  96,4  96,4  96,4  96,4  96,4  96,4  96,4  96,4  96,4  96,4  | 76.4 96    |
|          | Z 31,<br>2 70°                        | 29.2 27.0 61.3 61.3 61.3 78.1 79.8 90.4 99.1 99.1 99.1 99.1 99.1 99.1 99.1 99   | .66 1 66   |
|          |                                       | 29:31 27:0 61:3 61:3 61:3 72:1 74:8 79:3 96:3 99:1 99:1 00:0100:0200:00:02 27:0 61:3 61:3 61:3 73:1 74:8 79:3 96:4 79:1 99:1 00:0100:02 27:0 61:3 61:3 61:3 73:1 74:8 79:3 96:4 99:1 99:1 99:1 00:0100:0  | 100 * 0100 |
|          | <u> </u>                              | 420 41 27 01 01 41 01 41 01 43  | ZDO‡CZOO   |

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC .... 0-14-5 (OL ... FREE OUS 20 TONS OF THIS FORM A EIGBSOLETT

### CEILING VERSUS VISIBILITY

34199 SIEGEHBURG GERMANY GUNNERY BANGE 69=70

8 E B

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS)

1500-170C

|  |              |                            | _                      | * \$ B. 7 5.           | ATLITE MAES                    |                          |                              |              |
|--|--------------|----------------------------|------------------------|------------------------|--------------------------------|--------------------------|------------------------------|--------------|
| -  | d 1 ≥4       | 25 24                      | 2. 2.                  | 2: 2:                  | 2 . 2 2%                       | 255 27                   | 2                            | 2:           |
|  | 9,8          | 3,8 20.9<br>3.8 20.8       | 20,8 20,8              | 22.6 22.6              | 22,6 24,5 24,                  | 5 24,8 24,<br>5 24.5 24, | 5 24,5 24,5<br>5 24.5 24.5   | 24.5         |
| <u>≥</u> \$1.1                                 | 919          | 142 49 32                  | 24.5 24.5              | 20.4 20.4              | 26.4 28.3 28.                  | 3 28,3 28,<br>3 28.3 26, | 3 28,3 28,3<br>3 28,3 28,3   | 28,3         |
| <u> </u>                                       | 7.5.<br>7.5. | 7.5 24.5                   | 24.5 24.5              | 20.4 20.4              | 26,4 26,3 28,                  | 3 28 4 28 .              | \$ 28.3 28.3                 | 28.3         |
| 2 137  | 7.5          | (2) 29:3                   | 24.5 24.5              | 20:4 20:4              | 26.4: 28.3: 28.                | B: 18.4 28.              | \$ 25,2 20,3<br>\$ 26,2 28,3 | 28.3         |
| 2 \$30.<br>2 ****                              | 7,5          | 7,5: 24,5                  | 24.5 24.5              | 20.4 20.4              | 26.4 25,3 28,                  | 3 28,3 28,<br>3 28,3 28, | 3 20.3 20.3                  |              |
| = 51.<br>= = = = = = = = = = = = = = = = = = = | 7,5<br>19,2  | 13.2 34.0                  | 24,5 24,5<br>34,0 34,0 | 73.5 33.6              | 26,6 25,3 25,                  | 7 3777 377               | 7 57.7 37.7                  |              |
| 2 40<br>2 4000                                 | 13.2         | 13.2:34.0                  | : 30 x 0: 30 p (       | 95.0 35.0<br>95.0 35.0 | 35.0 37.7 37.                  | 7 37.7 37.               | 7 37,7 37,7                  | 37.7         |
| 2 00<br>2 0000<br>- <del></del>                |              | 15.1 35.5                  | 34,0,36v(              | 3777 5777              | 35,0 37;7 37;<br>37;7 39,0 39; | 6 39:6 39.               | 6 39.6 39.6                  | 39,6         |
| 2 2000<br>2 2000<br>                           | 20.0<br>52.1 | 34.0 67.9                  | 67.9 67.9              | 73.6 73.6              | 73.6 8111 611                  |                          | 1 8111 8111                  | 85,6         |
| 2 900<br>2 300<br>                             | 36.0         |                            | 77.4 77.4              | 1 8310 83.0            | \$3.0 PO.0 PO.                 | 6 90.6 90.               | 6 90.6 90.6                  | 83.0<br>90.6 |
| ÷ :::  | 39.7         | 39.6 79.2                  | 79.2 79.2              | 66,5 86.7              | 83.0 90.6 90.                  | 2 95.2 96,               | 2 90.2 96.2                  | 90.2         |
| _ \$<br>\$                                     | 37:7         | 39,6: 61; 1<br>39,6: 61; 1 | 81.1 81.1              | 88,7 90,6              | 90,0 96,1 78,                  | 1 98,1 98,               | 1 98.1 98.1                  | 73.1         |
| 4 755<br>4 611                                 | 3707         | 39,6 61,1                  | 01,1 01,               | ' ēēē1, ā∆≎o           | 90.6 98.1 98.<br>90.6100.0100. | OTOO & CITOO &           | GT00 LOTO0 FO                | 1,00 e C     |
| 2 ASS<br>                                      | 3719<br>2717 | 99,6:81,1                  | : 91,1 81,1            | E@#7 90.6              | 90,6100,0100,                  | 0100.0100,               | C100, C100, C                | 100.0        |
| ž 🙃  |              | 19,000                     | 0111 011               | r, gàs 1, ≜0°e,        | 90,6100,0100,<br>90,6100,0100, | OT00 • OT00 •            | 0900 40T00 * 0               | 100.0        |
| 2 5  | 2717         | 39.6 61.1                  |                        | 83.7 90.6              | 90,6100,0100                   | 0100.0100                | 0100.0100.0                  | 100.0        |

TOTAL NUMBER OF OBSERVATIONS 53

USAF ETAC ...... 0-14-5 (OL 1) PREVIOUS ED TONS OF THIS FORM ARE DESCRIPT

## CEILING VERSUS VISIBILITY

| §1€               | <u>GEMBURG (</u>                         | ERMANY         | GUNH   | INY B | N. E              | 074            | 70           | -            |              | 2*           |                    |         |               |                      | <del>AR</del>    |
|-------------------|--|----------------|--------|-------|-------------------|----------------|--------------|--------------|--------------|--------------|--------------------|---------|---------------|----------------------|------------------|
|                   | -  |                |        |       |                   | UENCY<br>Y OBS |              |              | ENCE         |              |                    |         |               | _ <del>0∳∂b</del>    | <del>≤</del> Ógο |
|                   |  |                |        |       |                   | v              | 58,7 (*)     | ATUTE MEE    | \$           |              |                    |         |               |                      |                  |
|                   | 2 : ≥6                                   | ≥ 5            | 2.4    | 23    | ≥:-               | ٤:             | ≥ 1          | è .          | 2            | <u>≥</u> ŧ,  | ≥ 5 €              | ≥ •     | 2             | 2 •                  | ž.               |
| N 75 N2<br>2 2002 | 4  | 2: 5.6         | 19,3   | 14,2  | 15.8              | 15,0           | 15.0         | 15.0         | 16,7         | 16,7         | 16.7               | 15.7    | 16.7          | 10,7                 | 16.              |
| 2 8120<br>2 6012  | 4  | 2: 5,8         |        | 15.8  | \$; \$; 8<br>8.67 | 10.7           | 16.7         | 10.7         | 18,3         | 18,3         | 18,3               | 18,5    | 18,3          | 18,3                 | 18,              |
| 2 ACTI            | 4  |                | 14.2   | 15.8  | 15.8              | 10.7           | 16.7         | 16.7         | 18,3<br>18.1 | 18.3         | 10.3               | 18.2    | 18,3          | 18.3                 | 15,              |
| ≥ ;:::<br>≥ •;.:  | 5  | 0 6.7          | 15.0   | 16.7  | 16:7              | 17.5.          | 17.5         | 17.5         | 21.7         | 21.7         | 21/7               | 21.7    | 21,7          | 21.7                 | 21,<br>21,       |
| 2 5000<br>2 7000  | 5  | 0 6            | 15.0   | 10,7  | 16/7              | 1765           | 17.5         | 17.5         | 21.7         | 2177         | 21.7               | 21,7    | 21,7          | 21.7                 | 21.              |
| ≥ 6000<br>≥ 5000  | ġ.                                       | 0 6            | 16:7   | 16.3  | 18.3              | 19.2           | 17.2         | 19.2         | 21,7         | 21,7         | 21.7               | 21,7    | _23 } 3       |                      |                  |
| 2 4511<br>2 400   | 5.                                       | 5 6 9 5        | 17:3   | 18,2  | 18,3              | 20.0           | 20.0         | 19 2<br>20 0 | 24,2         | 23.2         | 24.2               | 24.2    | 23',3<br>24,2 | 26.2                 | 24               |
| 2 0500<br>2 0000  | 2 (                                      | 5 7 <i>5</i>   | 17,5   | 19,2  | 21,7              | 20.0           | 20.0<br>22.5 | 20,0<br>22,5 | 24.2         | 29.2         | 24.2               | 26,7    | 26,7          | 26,7                 | 26               |
| 2 2500<br>2 2500  | 10                                       |                | 92.5   | 36.7  | 36.7              | 34,2<br>39.2   | 34.2         | 36021        | 29:21        | 39.2         | 39.2               | 40.3    | .39,2<br>48,3 | 99,2<br>40,3         | 39               |
| 2 800<br>2 500    | 12                                       | G 11,<br>5 14, | 37,5   | 42.5  | 42,5              | -40-3          | 99,2         | 46.2         | 45.8<br>63.8 | 40,8<br>69,0 | 46,3<br>65.0       | 48.5    | 48.3<br>65.0  | 400000               | 48.<br>65        |
| <u> </u>          | 12                                       | J. 195         | 49.2   | 49.2  | 47.2              | 57.5           | 27:57        | 2193         | 2513         | 9936         | 6942               | 39.Z    | - 69.Z        | 98 t Z               | 59:              |
| 2 500<br>2 800    | 94.56                                    | 系 10gg         | 44,2   | 49,2  | 49.2              | 97,5<br>97,5   | 57,5         | 37.5         | 82,5         | 84,2         | 84.2               | 86.7    | 84,2          | 84,2<br>84,7<br>97,5 | 34<br>66         |
| %T ≤              | 12                                       | 5 14.          | 44.2   | 49,2  | 49.2              | 97)            | 57.5         | 57,5         | 66.7         | 63,3         |                    | 90.8    | 90,5          | &0 · 9               | 90               |
| ≥ 500<br>≥ 400    | 12                                       | 5 14;          | 44,2   | 99.2  | 49.2              | 2712           | -9715        | 57,5         | 86)3         | 90,5         | 98,3               | 98.9    | 98,3          | 70.3                 | 98               |
| 3 300<br>3 5      | 12<br>12                                 |                | 1 60 E | 49.2  | 49.2              | 57.5<br>37.5   | 57,5<br>57,5 | 57,5         | 6933         | *90'-8       | 100-0              | 100eQ   | 100,0         | 100.0<br>100.0       | 100              |
| <u>5</u> ∷        | 20-20-20-20-20-20-20-20-20-20-20-20-20-2 | 5 14°          | 94.Z   | 49.2  | 4922              | 57.5           | 57.5<br>57.5 | 57.5<br>57.6 | 88.3         | 90.5         | 100 - C<br>100 - C | 100 + C | 100÷0         | 100.C                | 100              |

TOTAL NUMBER OF OBSERVATIONS 12

USAF ETAC JOIN 0-14-5(OL 1) PRELOUSED TONS OF THIS FORM ARE OBSOLETS

## CEILING VERSUS VISIBILITY

34197 STEGENBURG GERMANY GUNNERY RANGE 69870

- \*AA -

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS)

Similar Charles

<del>0650=11</del>05

|   | ≥ ≎            | >             | 1 4   | <i>:</i> .     | •              | . :    | ,     | ٠.    | 2                    | ≥ %                     | 2 1            | <u> </u>         | 2 .          |              | -<br>-              |
|---|----------------|---------------|-------|----------------|----------------|--------|-------|-------|----------------------|-------------------------|----------------|------------------|--------------|--------------|---------------------|
| ** *                                    | 3.7            | 10.9          | 23.2  | 20.2           | 20.2           | 21.8   | 24.4  | 24,4  | 25,2                 | 25,2                    | 25.2           | 53.53            | 25,2         | 25,2         |                     |
| 2 5°.                                   | 5,7            | 10.9          | 21,0  | 21,0           | 21.0           | 22,7   | 25,2  | 25,2  | 26.1                 | 26,1                    | 36,1           | î\$,1            | 26,1         | 26,1         | 26,1<br>26,1        |
| 2 4 1<br>2 2 2                          | 2:7            | 10.9          | 21,6  | 21.0           | 21,0           | 22.7   | 25.2  | 25.2  | 26-1                 | 26.1                    | 26,1           | 36.1             | 25,1         | 24,1         | 26,1                |
| <del>.</del>                            | 5.7            | 10.9          | 21.8  | 21.8           | 21.8           | 25.2   | 28,6  | 28,5  | 31,1                 | 31,1                    | 31.1           | 31,1             | 31,1         | 31,1         |                     |
|   | 9.2            | 13,6          | 24.4  | 24,4           | 24:4           | 27.7   | 31.1  | 31,1  | 33.6                 | 33,6                    | \$3,4<br>38.5  | 33,6             | 33,6<br>33,6 | 32,6         | 33.4                |
| * & .<br>*                              |                | 19.3          | 28.6  | 28.6           | 28.4           | 31.0   | 23.2  | 35.3  | 37.4                 | 27.0                    | 33,0           | 23.5             | 33,0         | 23,6         | 33,6<br>37,6        |
| _ 4 · · · · · · · · · · · · · · · · · · | 15:1           | 20.2          | 31.1  | 31.1           | 31:1           | 36.5   | 37.8  | 37.8  | 39,5<br>42,0<br>42,0 | 37 <i>g</i> 5;<br>42.0: | 39,5<br>48,0   | 99.5<br>42.0     | 39,5<br>42,0 | 39,5<br>42,0 | 39,5<br><u>42,0</u> |
|   | 1511           | 20.2<br>17:7  | 2111  | 31 t I.        | 21:1           | 3243;  | 30.7. | PD 47 | 32.7                 | 42.5                    | とうご覧に          | 49.4             | <b>69</b> 3€ | AG ⊒G:       | 92,0<br>62.9        |
| 2 lx<br>- 2 8%                          |                |               | 42.9  | 春兴 争为,         | <b>45 ± 4:</b> | #7.4A: | 3Z.7  | 5224  | 400771               | 6777                    | .A925          | おうつう:            | A3 3         | 55,5         | £5 · r              |
| 2 301 2                                 | 2276.          | <u> </u>      |       |                |                |        |       |       |                      |                         |                |                  |              | 63,9<br>77.3 |                     |
| - 1<br>- **:                            | 244A:<br>244A: | 31.1<br>91.1. | 52.1  | 34.6           | 34:01<br>34:01 | 6282   | 57.Z  | 67.2  | 58.2                 | 20.8                    | 91.6           | 91.6             | 91.6         | 91.6         | 91.6                |
| - <del>*</del>                          | 2646           | 31.1          | 5211  | 56.6           | 36.6           | -63.0  | 68.1  | 68.1  | CO. 2                | 91.0                    | 95.0           | 92.0             | 92.4         | 92.4         | 92.4                |
| - f f                                   | 2646           |               | 3547  | 79:01<br>59:01 | 5000<br>5000   | 63.0   | 59.4  | 68.1  | 92:3                 | 90 6                    | 9775 <u>.</u>  | 97.2<br>00:00    | 97,5         | 97.5         | 97.3                |
|   | 29.3           | 3132          | 22.1  | 3950:          | 34.6           | 0.60   | 68.1  | 68.1  | 9333                 | 96.25                   | 00,03          | 00+01<br>00+61   | 00.00        | 00-01        | 00.0                |
| 2 H                                     | 2010           | 2003<br>201   |       | 5440           | 54.0           | 68.0   | 3.80  | 38.1  | 9323                 | 99.25                   | 00±03<br>60±65 | 00+0:1<br>00-6:1 | 00.03        | 00 c1        | <u>0.70</u>         |
| -                                       |                | 7.4           | - 77. |                |                | 7 7    |       |       |                      | 7 7 7 5 5 15            | V-1            | AN 2 0 1         | On the       | VO # 0:4     | <b>)</b>            |

TOTA NUMBER OF OBSERVATIONS 119

### CEILING VERSUS VISIBILITY

34139 SIEGENBURG GERNANY GUNNERY RANGE 69-70

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

1200-140C

| 11,2 14,7 24,1 24             | 1 24.1 26.7 27.6                      | 27,6 27,5 27,6 27,6 2                            |  |
|-------------------------------|---------------------------------------|--|--|
| 1105 1907 2001 24             | +1 24+1 25+7 27+5 -                   | <del>27,6 27,6 27,6 27,6</del> 2                 | <del>1.6.27.6</del> 23.4.27.△  |
| 11,2 14,7 24,1 24             | .1 24.1 26.7 27.6                     | 27.6 27.6 27.6 27.6 2                            | 1.6 27.4 27.6 27.6   |
| 11.2 14.7 26.1 24             | · 1 20 · 1 26 · 7 27 · 5              | 27.6 27.6 27.6 27.6 2                            | 7.4 27.6 27.6 27.6   |
|                               | ,1 24,1 26,7 27,6                     | 27,6 27,6 27,4 27,6 2                            | 7,4 27,6 27,6 27,5   |
| 11.2 14.7 24.1 24             | 1 34.1 34.7 97 6 1                    | 57.A 37 & 55.6 57 £ 5                            | 7.6 57.6 29.6 59.6   |
| 12,1 15,5 27,6 26             | 4 28,4 31,0 33,4                      | 92 4 92 4 93 4 99 4 9                            | 6 33,6 33,6 33,6   |
| 12.1.15.5.27.6.28             | 4 28 4 31 0 33 6                      | 33,6 33,6 33,6 33,6 3<br>13,6 31,6 32,6 33,6 3   | 1.6.33.6.33.6 33.6   |
|                               | +# C545 31+V 33+S                     | 23-6 - 23-6 - 23-6 - 23-6 - 2                    | 240 234V 234V 2340   |
| 19,7 19,1 30,2 31             | 10 2110 2515 3015                     | 36,2 36,2 36,2 36,2 N<br>16,2 36,2 36,2 16,2 1   | ,2 35,2 36,2 36,2  |
| . 15,7 18,1 20,2 21           | +0 31+0 32+3 33+2                     | <u> </u>   | 1,2 36,2 <u>14,2 36,2</u>  |
| 19,7 15,1 30,2 31             | ,0 31,0 33,6 36,2                     | 16,2 36,2 36,2 35,2 8<br>43,2 42,2 42,2 42,2 4   | 2 36,2 36,2 39,2   |
| 20,7 24,1 35,2 39             | 1 37.1 39.7 49.2                      | 42.2 42.2 42.2 42.2 4                            | 2 42 2 43 2 49 2   |
| 21,4 29,0 37,1 37             | .9 37.9 40.5 48.1                     | 49.1 49.1 43.1 49.1 4                            | 1.1 43.1 43.1 43.1   |
| 21.6 27.4 19.7 40             | ,9 37,9 40,5 48,1<br>5 40,3 43,1 45,7 | 49.1 49.1 43.1 43.1 4<br>45.7 48.2 48.2 48.2 4   | 48.8 48.8 48.9   |
| 21.1 27.4 39.7 60             | -5 40-5 43-1 45-7                     | 4 T AR # 34 # 184 T 24                           | A ARLY SALE ARLS   |
| 31 1 39 4 34 7 40             | 5 40 5 42 1 48 7                      | 45.7 48.2 45.7 48.2 4<br>45.7 48.2 45.7 46.2 4   |  |
| 22 0 01 0 kg 7 AL             | 4 14 4 40 1 49 4                      | 20 / 27 5 30 6 60 8 6                            | **************************************   |
| PACE BALL AND AN              | A 1014 111 115                        | 92,6 57; \$ 97,6 57,6 5<br>59,8 68,1 63,1 68,1 6 |  |
| 83 4, 25 2, 68                | ** 33** 30*V 37*3                     | 77 F 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2       | <del>*                                    </del>   |
| 30,2 36,2 32,6 53             | 4 53,4 55,0 59,5                      | 9,5 68 1 18, E 65, E 6                           | 00.1 00.2 65.1   |
| 30.2 33.8 37.5 58             | **** J042 G145 G8** !                 | Dtwl []eD foets [Des ]:                          | 1 € 73 5 1 1 6 7 7 3 5 6 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1   |
| 10,2 38,8 60,3 61             | 12 6112 6318 6712                     | 17,2 80,2 81,0 81,0 8<br>72,4 90,1 93,1 93,1 9   | lig elig elig elig   |
| 35,2 38,6 62, <del>°</del> 63 | .8 63.8 60.4 72.4                     | 72-4 90-1 93.1 93.1 9                            | 93.1 93.1  |
| 30;2 ±9,5 62.9 63             | . 6 63.0 66.4 72.4                    | 72.4 90.5 93.1 93.5 9:                           | 1,1 92,1 93,1 93,1   |
| 30.2 38.8 42.9 49             | .B 63.8 66.4 72.4 '                   | 7914 9015 9311 99.1 9                            | 1.1: <b>Q3</b> _1 98[1.64]1  |
| 20:2 38.8 65.8 65             | -5 69-5 68-1 75-1                     | 74,1 98,2 94,5 94,6 7                            | LE GALE GALE   |
| 30.2.38.8 63.6 43             | .5 63.5 68.1 74.1                     | 74.1 94.8 17 4 09,6 9                            | 4 97.4 97.4 97.4   |
| 30,8 38,8 63.6 63             | ,5 65,5 48,1 74,1                     | 74,1 97,6100,0100,010                            | ALAN ATRASATAN A   |
| 3012 23.6 63.6 63             | E 63.5 c8. 74. L                      | 4.1 97. 起00.0100 010                             | //With the contraction of the co |
| 34.2 30.0 03.8 63             | 5 03 5 08 1 74 cl                     | AFF ATSEVANARATANIATA                            | 11 A 1 A 1 A 1 A 1 A 1 A 1 A 1 A 1 A 1   |
| 75.2 39.5 63.8 67             | ,5 03 5 05 L 74cl                     | 74,1.97,4160,9200,920                            | **************************************   |
| 3012 3818 6918 65             | 5 65,5 68,1 74.1                      | 16.1 9 4100,0000.000                             | ) • GF C3 • GT SQ • GT CQ • C  |
| 30,2 38,8 63,8 63             | 53 03(2 63al 70al)                    | 74,1 年,但00,000,000                               | ),   |
| 30; 2: 38; 8: 63; \$ 65       | ## 65#5 68#1 74#L                     | 74.1 77.4100.0100.010                            | )+0100+0100+0100+0   |

"OFA NUMBER OF DESERVATIONS 116

USAFIETAC TO GRAN GARAS ON PROTECTION OF THE PLOTESTICS

# CEILING VERSUS VISIBILITY

|                                |              |          |              | PERCE<br>(   | NTAG<br>FROM | E FREG<br>HOURI | LY OBS               | Y OF C     | CCURR<br>(ONS) | RENCE          |       |              |         |              | 1500 | <del>) : 1.7</del> ( |
|--------------------------------|--------------|----------|--------------|--------------|--------------|-----------------|----------------------|------------|----------------|----------------|-------|--------------|---------|--------------|------|----------------------|
| 01 NG<br>1461                  | F            | -        |              |              |              |                 |                      | \$ £ . ~ < | A A            | .s             |       |              |         | Ξ            | ~    |                      |
| -11                            | ≥ ≎          | ≥ 6      | ≥ 5          | 2.4          | ٤.           | 2.              | > 2                  | <b>*</b> • | 2 6            | ≥              | ≥ ¼   | 258          | ≥ •     |              | ≥ .  | <br>≥ ≎              |
| NO CELTAD<br>2 440.1           |              | 20,5     | 20,5         | 32.0         | 22,9         | 32,9            | 32.9                 | 32.9       | 32.9           | 32,9           | 32,9  | 32.9         | 32.9    | 32,9         | 32,5 | 32                   |
| 2 8.T.<br>2 60                 |              |          | 20,5<br>20,5 | 32.9         | 32.9         |                 | 32.9                 | 32,9       | 32,9           | 32.9           | 32,9  | 32.9         | 32,9    | 32.9         | 32,9 | 32                   |
|                                | ·            | 20.5     | 20,5         | 32,9         | 32,9         | 32,9            | 32,9                 | 32,9       | 32.9           | 32,9           | 32.9  | 32.9         | 32.9    | 32,9         | 32.9 | 32                   |
|                                | <del>-</del> | 26.0     | 20,5         | 41,1         | 32,9<br>43.8 | 49.8            | 43.8<br>43.8         | 43,8       | 945.E          | 43.8           | 43,8  | 32.9<br>2.00 | 43,8    | 43,2         | 32.9 | 92<br>49             |
| <sup>-</sup><br>≥ 8030<br>≥ *0 |              | 20,0     | 30,1         | 45,2         | 47,9         | 47.9            | 47.9                 | 47,9       | 47.0           | 43,8           | 47.9  | Az d         | 43.8    | 43,8<br>47,9 | 47.5 | 24                   |
| = -<br>2 ev<br>≥ 5             |              | 30.1     | 30.1         | 48,2         | 47.9         | 67.9            | 47.9<br>47.9<br>47.9 | 47.9       | 47.5           | 47,9<br>47,9   | 47.9  | 67.9         | 47.9    | 47.9         | 47.0 | 47                   |
| ≥ 45.                          |              | 30,1     | 30.1         | 45,2         | 47.9         | 67.9            | 47.9                 | 47.9       |                | 67.9           |       | 47.0         | 49.0    | 47.9<br>47.9 | 47.9 | 49                   |
| ≥ 4. 3<br>≥ 3500               | ·            | 30.1     | 31.5         | 40.0         | 49.3         | 29:51           | 49.3                 | 49.3       | 49.2           | 49.3           | 49.3  | 49.3         | 49.3    | 49.3         | 49.3 | 60                   |
| ≥ 3685<br>                     | +            | 92.9     | 34. 2        | 50.3<br>69.7 | 12,6         | 52.1            | 53.1<br>72.6         | 72,5       | 49.3<br>52.1   | 52.1           | 49 3  | 52.3         | 49,3    | 5Z.1         | 40.3 | 52                   |
| ≥ 2000                         |              | 42 CO CO | 56.7<br>90.7 | 20.8         | 33.6         | 83.6            | 88.6                 | AN. 6      | 83.6           | BEE            | 72.6  | 89.6         | 82.6i   | 72,6         | 69.6 | 89                   |
| ≥ 1560                         | <del></del>  | 45.2     | 53.6         | 84.9         | 87:7         | 5737            | 89,6                 | 87.7       | 8727           | 89.0           | 83,6  | 90.4         |         | 83,6         | 90.4 | 90                   |
| ≥ ·00C<br>                     | <del></del>  | 48.0     | 53,4         | 8777         | 90.4         | 90.4            | 90.4                 | 91.8       |                | 9939           | 97.3  | 97.3         | 91,8    | 97.3         | 97:3 | 97                   |
| 2 9.0<br>2 800<br>— —          | <del></del>  | 9845     | 53,4         | 8777         | 90,4         | 90.4            | 9004                 | 91,8       | 71.8           | 95.9           | 97.3  | 97.3         |         | 97,3         | 9712 | 97                   |
| 2 700<br>2 600                 |              | 49.2     | 53.6         | 87:7         | 90.4         | 90.4            | 90.4                 | 93.3       | 91.8           | 9 7 . 31       | JA A  | 85 A         | 20 1    | 97,3         | 9773 | 97                   |
| ≥ 500<br>≥ 400                 |              | 49.2     | 53,4         |              | 90.4         | 90.4            | 9019                 | 91.8       | 91.8           | 98.4           | 00.0  | 00.01        | 00-01   | 00-01        | 00.0 | 100                  |
| ≥ 300<br>≥ 200<br>- — —        | 1            |          | 58.4         | 8777         | 90.4         | 90.4            | 7087                 | 4550       | 7 1 5 Di       | 98.61<br>98.61 | 04=64 | 00 - 00      | OD A OU | :ถถถต        | BALA | TEA.                 |
| 2 00<br>2 0                    | , 1          | 494      | 53.4         | 8737         | 90,4         | 90.4            | 90.0                 | 9148       | 91.3           | 28,61<br>98.61 | 00.00 | 00-01        | 20-01   | 00-05        | 00.0 | Inh.                 |

USAF ETAC JULIE 0-14-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## CEILING VERSUS VISIBILITY

|                        |     |              |                |              |                  |                  |               | OF O        |             | ENCE         |              |              |      |              | ceop         | ÄÓBO |
|------------------------|-----|--------------|----------------|--------------|------------------|------------------|---------------|-------------|-------------|--------------|--------------|--------------|------|--------------|--------------|------|
| <br>-:                 |     |              | - <del>-</del> |              |                  |                  | ٧             | 5:8. ** \$* | a", "E MILE | \$           |              |              |      |              |              |      |
| •                      | > 0 | ه≤           | ≥ 5            | ≥ 4          | 2 3              | 2 4 -            | <b>&gt; 2</b> | ≥           | 2 .         | 2            | > 1.         | ≥ 5 8        | ≥ 3  | 25.5         | * •          | 20   |
| NO 171, NO<br>2 21,00- |     | 14,1         | 14,8           | 10.3         | 10.3             | 16,3             | 17.0          | 17.0        | 10.5        | 18.5         | 10-0         | 18.3<br>19.5 | 18.5 | 18,5         | 11/25        | 18   |
| > 8000<br>2 6.11       |     | 161          | 14,8           | 16,3         | 16.3             | 10.1             | 17.0          | 17.0        |             | 18,5         | 16 3         | 18.5         | 18.5 | 18.5         | 10,5<br>10,5 | 18   |
| 2 (4070<br>2 2000      |     | 1631         | 14.8           | 16.3         | 16.3             | 10.3             | 17:0          | 17.0        | 18.5        | 10,5         | 18.5         | 18.5         | 18.5 | 10.5         | 10:1         | 18   |
| 2000<br>2000<br>2000   |     | 40.3         | 17.0           | 20.0         | 20.0             | 20.0             | 20.7          |             | 23:7        | 23.0         | 23.7         | 23,0         | 23.7 |              | 23,0         | 29   |
| ≱ 800.<br>E 7000       |     | 16.3         |                | 20.0         | 20,0             | 20.0             | 20,7          | 22.2        |             | 23.7         | 2337         | 23,7         | 23.7 | 23,7         | 23,7         | 23   |
| 2 60.0<br>2 50%        |     | 2017         | 19,3           | 2424         | 22 £ 2<br>24 £ 4 | 2232             | 28.0<br>26.7  | 2444        | 91.0        | 25,9         | 25,9<br>31.9 | 39.9         | 25.9 | 31,9         | 31,9         | 31   |
| 2 45°0<br>3 4          |     | 2017         | 21,5           | 27.9         | 27,4             | 24.4             | 29.0          | 30,4        | 34.8        |              | 34.0         | 34.6         | 34,9 | 34.8         | 34,6         | 34   |
| \$ 2322<br>£ 2003      |     | 2712         | 28,7           | 28.4         | 28.9             | 26,9             | 30.3          | 27.         | 38.5        |              | 36,5         | 30.5         | 30.3 | 36,3<br>38,5 |              |      |
| ± 25<br>Z 2000         |     | 4212         | 45.0           | 40.0<br>51.1 | 90,0<br>51,1     | 50.0<br>51.1     | 29.0          | 30.5        | 60.0        | 6020         | 00.0         | 90 0         |      |              | 00.0         |      |
| 2 (800<br>3 (500       |     | 4545         | 45,9<br>48,1   | 36.3         | 34,1             | 56 a 1<br>59 a 3 | DS. 7         | 64.5        | 70,4        | 70,4         | 3330<br>70,4 | 63.0<br>70.4 | 70.6 | 70,4         | 70,4         | 70,  |
| 202 Z                  |     | 5000         | 49.0           | 65-5         | 60,7             | \$0.9<br>65.9    | 73.0          | 78.5        | 81.5        | 71,9<br>88,1 | 71,9         | 71,7         | 8541 |              |              | 71   |
| ≥ 9.5<br>≥ 900         |     | 50,4<br>50,4 | 52,6           | 65.9         | 65,9             | 65.9             | 72,0          | 78,9        | 6195        | 88,1         | 80,1         | 80.1         | 88.1 | 68,1         | 88.1         | 88   |
| 2 700<br>2 000         |     | 50.6         | 52,0<br>52,0   |              | 65,9             | 65,9             | 200           | 78,5        | 81,5        | 91,1         | 92,6         | 28, L        |      | ₹£°          |              | 92   |
| 은 500<br>본 400         |     | 50.9         | 52.6           | 65.9         | 65,9             | 65 s 9           |               | 75.5        | 81:5        | 36.8         | 97.9         | 197.5        | 9738 | · • • • •    | 98.5         | 98   |
| ≥ 300<br>≥ 200         |     | 2049         | 52,6           | 65,9         | 95,9<br>65,9     | 65.9             | 72.5          | 7095        | 51.9        | 94.6         | 97,6         | 97,8         | 97.6 | 100-0        | 100/0        | 100  |
| ≥ ()<br>≥ :            |     | 50.4         | 22,0           | 65.9         | 0907             | 65.49            | 78.79         | 79,5        | 61.9        | 99.5         | 97.5         | 97.8         | 97.8 | 100°0        | 10000        | 100  |

### CEILING VERSUS VISIBILITY

36199 SIEGENBURG GERMANY GUNNERY RANGE 68-70 APR PERCENTAGE FREQUENCY OF OCCURRENCE

(FROM HOURLY OBSERVATIONS)

\_<del>0400#11</del>00

| ٠,                  |        |              |              |                    |      |        |       |      |               |              |              |              |               |              |       |            |
|---------------------|--------|--------------|--------------|--------------------|------|--------|-------|------|---------------|--------------|--------------|--------------|---------------|--------------|-------|------------|
|                     | ≥ ≎    | ≥ 6          | ≥ 5          | ≥ 4                | ً    | 21-    | > 4   | ٤ ٠  | 2 .           | ≥            | ≥ 1/4        | 2 5 8        | <b>&gt;</b> , | ≥ 5 6        | ≥ .   | <b>≥</b> ≎ |
| N                   | .,     | 12.2         | 12.3         | 13.0               | 13.0 | 13.0   | 16.5  | 14.5 | 14.5          | 14.5         | 19.5         | 14,5         | 14,5          | 14,5         | 14,5  | 14.5       |
| 2 2                 | :      | 12.3         | 12.3         | 0.61               | 13.0 | 13.0   | 14.5  | 10.5 | 14.5          | 14,5         | 14.5         | 14.5         | 14.5          | 24.5         | 16.5  | 14.5       |
|                     |        | 12,3         | 12.3         | 19,0               | 13.0 | 13.0   | 14.5  | 14.5 | 1475          | 14.3         | 19/5         | 14.5         | 14,5          | 14.5         | 14.5  | 14.5       |
| 2 600               | •      | 12.9         | 12.3         | 13.0               | 13.0 | 13.0   | 14.5  | 14.5 | 14.5          | 14.5         | 14.5         | 14,5         | 14.5          | 19.5         | 14.5  | 14.5       |
| 3 421               | :      | 12.3         | 12.3         | 13,0               | 13,0 | 13,0   | 1995  | 14.3 | 14,5          | 14.5         | 14.5         | 14.5         | 14.5          | 14.5         | 14.0  | 19.5       |
| 2 200               | :      | 12.3         | 12.3         | 15.0               | 13.0 | 13.0   | 14.5  | 14.5 | 14:5          | 14.5         | 14.5         | 19,5         | 14.5          | 14.2         | 14.5  | 14,5       |
| ≥ .*-               | :      | 10,7         | 10,7         | 18,8               | 18.8 | 18.8   | 20,3  | 20.3 | 20.3          | 20 事         | 20.3         | 20.2         | 20,3          | 20,3         | 20.3  | 20,3       |
| ≥ ¢.:               | :      | 16.7         | 10.7         | 16.8               | 18.8 | 18,8   | 20.3  | 20.3 | 20 <i>a</i> § | 20.3         | 20.季         | 20.3         | 20.3          | 2033         | 20.3  | 20,3       |
| 2 6<br>2 °X         | 2      | 16.7         | 16,7         | 15.0               | 18,8 | 18.0   | 20,3  | 20.3 | 20,3          | 20.3         | 20.3         | 20.3         | 20.3          | 20,3         | 30.3  | 20.3       |
| _<br>≥ 600<br>≥ 500 |        | 25.2         | 18.8         | 21.0               |      | 21.0   | 27.5  | 22,5 | 22,5          | 22/5         | 22,5         | 22,5         | 22.5          | 22,5         | 27,5  | 22.5       |
| <br>- 451           |        | 20.2         | 23.2         | 25.1               | 1:98 | 26.1   | 27.5  | 21.5 | 27,5          | 273          | 27.5         | 27,5         | 27.5          | 27.5         | 27.5  | 27.5       |
| 400                 | :      | 2912         | 23,2         | 26.1               | 20.1 | 26.1   | 27.5  | 27,5 | 27,5          | 27,5         | 27,5<br>27,5 | 27.5         | 27.5          | 27.9         | 27.5  | 27,5       |
| = 50                |        | 24,6         | 29,6         | 29,7               | 29,7 | 29,7   | 31.2  | 33,2 |               | 31.2         | 51,2         | 31,2         | 21.2          | 31,2         | 31,2  | 31,2       |
| 2 510               |        | 2875         | 28-3         | 33,3               | 33.3 | 33.3   | 34+6  | 34.8 | 34.8          | 94.8         | 34,8         | 94.8         | 34.6          | 34.9         | 34.5  | 34.8       |
| <b>⊴ 25</b> 0       | :      | 50,0         |              | 55.1               | 35,1 | 55.1   | 50.5  | 30.5 | 50,5          | 50,5         | 50,33        | 50.5         | 50.5          | 56,5         | 20,3  | 50.5       |
| ± 200               |        | 58;0         |              | 69,1               | 68.1 | 68.1   | 6966  |      | ・ウオを登         | -03 × 01     | 69.6         |              |               | 6900         | 69.6  | 59.6       |
| <u> </u>            |        | 58.0<br>59.7 | 50,0         | 69,6               | 68.2 | 68 9 1 | 5905  | 67.5 | 69.0          | 69.6<br>75.4 | 750          | 7794<br>4996 | 94.0          | 12 PA        | 09.0  | 09.0       |
|                     |        |              |              | DAPD               | OAPO | 69,6   | 79.9  | 13.4 | 7300          | [200]        |              | 7126         | 73.0          | 75,4         | 73.4  | 73.4       |
| ≥ 20                | Ç      | 0110         | 01,0         | 72,3               | 73.2 | 73+2   | 85.5  | 57.0 | 79,7          | 92,0         | 51.2         | 92.0         | 92.3          | 92,0         | 3102  | 81,2       |
|                     |        | 68.6         | 5599         | ( <del>2   2</del> | 76.3 |        |       |      | 68,4          | 72.0         | \$2,0        | PASV<br>BAN  | 98 W          | 769 W        | 35.0  | 92.0       |
| ± 7.                | :      | 03.0         | 69,6<br>69,6 | 75.9               |      | 78.3   | 65.5  |      | 8896<br>8894  | 92.0         | 92,0         | 98.0<br>92.0 | 45 ° C        | 93,0         | 12.0  | 92.0       |
|                     |        | 03.0         | 05,0         |                    | 70:3 | 78.3   | 85.5  |      | 58,6          |              | 92.0         | PAT V        | 182.0         | 45 <u>.9</u> |       | 92.d       |
| 2 6.                |        | 6949         | 69.0         | 75.5               | 78.3 | 78.9   | 85,5  | 87.0 | 86.4          | 90 4         | 77.0         | 97.8         | 97.6          | 97.8         | 97 8  | 97,8       |
|                     | :      | 9719         | 63,0         | 74.19              | 7993 | 18.5   | 6909  | 87.3 | 00,5          | 98,0         | 100 g Q      | 00 ¢ 0       | DO.P.         | 00 40        | OFF   | 00.0       |
| ≥ 40                | )¢     | 63/9         | 69.8         |                    |      |        | 85 75 | 87.0 | 88,6          | 98,6         | 00 - Q       | 100=0        | 00.0          | 0.00         | 00.0  | 00,0       |
| ž [7                |        | 924          | 08.2         | 75,9               | 70,3 | 7873   | 6545  | 87,0 | 9608          | A0 - 6       | 100 g        | 105×Q        | 500 FQ        | 00.00        | 00 0  | 0.00       |
| ≥ 20                | ;¢<br> | 0999         |              |                    |      | 78 93  | 8595  |      | 88,4          | A4-6         | 100 g        | 100 ¢ 0      | 0000          | 100 + C      | 100 C | 100.0      |
| 2 0                 | Ç      | 2016         | 00,0         | 1516               |      | 70 +3  | 3500  | 87,0 | 8876          | 98.6         | 100 FO       | TOOKO        | Dec           | 00,0         | UQ YA | 100.0      |
|                     |        | 6546         | 64.0         | (20g               | 78+3 | 78,3   | 85.5  | 87,0 | D D S 음       | AO 6         | OCA 間        | FOORG        | Ent to        | - UO - C     | 10 10 | 100 O      |

4 1 6 4 14 5 A E M ES

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC ----- 0-14-5 (OL 1) PREVIOUS ED TONS OF THIS FORM ARE DESOUTE

## CEILING VERSUS VISIBILITY

34199 SIEGENBURG GERMANY GUHNERY RANGE 68-70

APR

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400

| ٠-                    |            |            |                |              |                                  |                   | •            | 5 8 , TV S"A | TUTE MILE    | S              |  |   |                |        |                     |              |
|-----------------------|------------|------------|----------------|--------------|----------------------------------|-------------------|--------------|--------------|--------------|----------------|--|---|----------------|--------|---------------------|--------------|
| ***                   | <b>≥</b> ¢ | ه ځ        | ≥ 5            | 2.4          | 5 3                              | ?:                | 2∶           | ≥ :          | 2 .          | 2              | ≥ %  | ≥ 5 9                                   | ≥ 7            | 25 0   | <u> </u>            | ≥ :          |
| NU 051, NO<br>2 27400 |            | 6,3<br>6,5 | 6,5            | 9.4          | 9 . 4.<br>9 . 4.                 | 9.4               | 9.4          | 9.4          | 9.4          | 9,4            | 9,4  | 9+4:                                    |                | 9.4    |                     | 9.4          |
| 2 80.0                |            | 6 . 5      | 9,5            | 9,4          | 9,4                              | 9,4               | 9,4          | 9,4          | 9,4          | 9,4            | 9.4  | 9,4                                     | 9.4<br>9.4     | 9.4    | 9.4                 | 9,4          |
| 2 6000<br>≥ 4000      |            | 5 g 5      | 6,5            | 9,4,<br>9,4, | 9 <u>. 4</u> .<br>9 <u>. 4</u> . | 9 <sub>6</sub> 4. | 9,4:<br>9,9: | 9.4          | 9,4          | 9,4            | 9,4  | 9:4                                     | 9,6            | 9,4    | 9:4                 | 9,4          |
| 2000                  |            | 0.5        | 6.5            | 6 9.         | 9.4                              | 9.4               | 9.4          | 9,4          | 9.À          | ₽ * 4          | 9,6  | 9.4                                     | 9.4            | 774    | *9 <u>+</u> 4:      | 9,4          |
| ≥ 0000<br>≥ 9000      |            | 10,9       | 10,9           | 15,8         | 13.5                             | 13,0              | 10.0         | 19.0         | 19,8         | 13:0           | 100  | 2 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 | 13,8           | 13,0   | 19:0                | 19,8         |
| ⊴ 800.<br>≥ 7000      |            | 10.9       | 10,9           | 19,8         |                                  | 15,5              | 23,0         | 19.6         | 13,8         | 19.0           | 13,0   | 19.6                                    | 230            | 13,5   | 13,8                | 19,0         |
| ≥ 6000<br>≥ 5000      |            | 18.0       | 13,0           | 15.7         | 10.7                             | 10:7              | 10.7         | 19.7         | 15.7         | 15.9           | 12.9   | 19.9                                    | 19.9           | 1009   | 10.7                | 15.9         |
| 2 4500<br>2 4000      | -          | 15.7       | 13,5           | 16,7         | 10:7                             | 16,7              | 10,7         | 16.7         | 10.7         | 10,8           | 10,7   | 10.7                                    | 10.7           | 10,7   | 10,7                | 16.7         |
| ≥ 3,00<br>□ 0000      |            | 21,0       | Z1,0           | 26,1         | 26.7                             | 26,1              | 26,1         | 2167         | 26,1         |                | 20,1   | 21,7                                    | 2117           | 3177   | 26,1                | 26,1         |
| 1 2500<br>2 2000      |            | 6242       | 68,3           | 79.9         | 73,9                             | 7939              | 7939         | 75.9         | 7339         | 20758          | 79,9   | 73.0                                    | 78,9           | 73,9   | 25.1                | 73.9         |
| ≛ 800<br>≟ 500        |            | 000        | 69,2           | 79,0         | 79,9<br>79,0                     | 79.0              | 8118         | 92.0         | 6456         | 12.0           | 72.9   | 73.9                                    | 93.0           | 73,7   | 22.6                | 4314         |
| <u> </u>              |            | 07.5       | 70,2           | 98.9         |                                  | 90 g 0            | 2443         | 97,8         | 90.0<br>97.6 | 40°0           | 70.0<br>97.6   | 93.6<br>97.8                            | 9050           | 90,0   | 40.0                | 70;6<br>77;8 |
| ≥ 910<br>I 600        |            | 00.0       | 70,3           | 88.9         | 90.00                            | 40 to             | 94.2         | 97.5         | 97.6         | 9925           | \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ | 97.0                                    | 99,3           | 99.5   | 77.0                | 99.5         |
| ≥ 700<br>- =:         |            | 69.6       | 70,5           | 50,9         |                                  | 90.0              | 94.2         | 97.8         | 9798<br>9798 | 00,01          | 00,00  | .00 • 00                                | .00.¢00        | 00,0   | 00.00               | 00.0         |
| <u> </u>              |            | 69.0       | 70,3           | 98,9         |                                  | 80 to             | 94.2         | 97,8         | 97,0         | 00 <u>-0</u> 1 | 00,00  | 00 0                                    | 00 • G         | 00,0   | 0 4 0 0.<br>0 4 0 0 | 00.0         |
|                       |            | 94.0       | 70#8;<br>70#3; | 10.4         | 90.6                             | 90 e 9            | 6915<br>4615 | 97,8         | 97,0         | 00,0           | 10 - 00<br>10 - 00                                       | 00 + 00.<br>10 = 00.                    | 00*0           | 00 -01 | .00 ±01             | 00.0         |
| 2 vi<br>_ :           |            | 0000       | 70,5           | 4666         | 40.6                             | 90,0              | 9942         | 97-0         | 97,5<br>97,6 | .00,0<br>.00,0 | 10 4 00.<br>10 4 00.                                     | 00+00<br>00+61                          | .00+0<br>.00+0 | 100,00 | 00.00<br>00.00      | 0000         |

I' I NUMBER OF OBSERVATIONS 13

### CEILING VERSUS VISIBILITY

34199 SIEGENBURG GERMANY GUMNERY RANGE 68470

APR

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700

| * • <u>=</u>                |     |      |              |                      |                 |              | ¥            | S 8 . 7 S 2  | ATTE MILE            | s              |                    |               |         | -,                   |              |              |
|-----------------------------|-----|------|--------------|----------------------|-----------------|--------------|--------------|--------------|----------------------|----------------|--------------------|---------------|---------|----------------------|--------------|--------------|
| • £ ± *                     | 2 2 | ≥ 0  | ≥ 5          | ≥ 4                  | ≥ :             | ۷:-          | 2 2          | <b>2</b> 3   | <u>&gt;</u> .        | 2              | ≥ ¾                | ≥ \$ 8        | ≥ 2     | ≥ : •                | ≥ .          | ≥:           |
| No drung<br>E patti         |     | 10.1 | 10,1         | 10,1                 | 10,1            | 10,1         | 10.1         | 10,1         | 10.1                 | 10,1           | 10,1               | 10.1          | 10:1    | 10,1                 | 10,1         | 10.1         |
| ≥ \$000<br>≥ 6000           |     | 10.1 | 10.1         | 10.1                 | 10.1            | 10.1         | 10.1         | 10,1         | 10,1                 | 10.1           | 10,1               | 20.1          | 10.1    | 10,1                 | 10.1         | 10,1         |
| 2 4000<br>2 2000            |     | 10.1 | 10,1<br>10,1 | 10.1                 | 10,1            | 10.          | 10,1         | 10,1         | 10,1                 | 10,1           | 10,1               | 10,1          | 10.1    | 10,1                 | 10.1         | 10,1         |
| 2 %(1)                      |     | 16.9 | 16.9         | 16.9                 | 10,9            | 10.9         | 16.6         | 16.9         |                      | 16,9           | 14,9               | 10.6          | 16.号    | 16.9                 | 16.9         | 16,9         |
| 2 B.UC<br>2 7001            |     | 16.0 | 18.0         | 10,0                 | 10.0            | 78.0<br>7810 | 18,0<br>18.0 | 18,0         | 18.0                 | 10,0           | 18,0<br>19.0       | 18,0          | 10.0    | 18.0                 | 10.0         | 10,0         |
| 2 6000<br>2 50.0            |     | 2017 |              |                      | 24.7            | 24.7         | 21.0         | 24.7         | 21.2                 | 24.7           | 2) ja              | 2017          | 21.5    | 21,7                 | 20.7         | 21,3         |
| 2 40 0<br>2 4000            |     | 201  | 2000         | 20.1                 | 26,1            | 20,7         | 2001         | 26.7         | 24:7<br>20:1<br>28:1 |                | 20,1               | 26.7          | 24.7    | 20,7                 | 26.1<br>26.1 | 20.1         |
| ≥ 0500<br>≥ 0000<br>- — — — |     | 39,2 |              | 29,2<br>29,2<br>7,70 | 29,2<br>29,7    | 2912         | 29+2         | 27.4         | 29,2                 |                | 29,2               | 20,2          | 29.2    | 29,2                 | 29.2         |              |
| 2 25%<br>2 1000             |     | 6917 | 69,7         | 55,4<br>55,4         | 85.4            | 85.4         | 85-6<br>83-6 | 65,4<br>65,4 | 85 <u>6</u> 4        | 82,4           | 69.7<br>82.4       | 67:77<br>65:4 | 100 mm  | 69,7<br>85,4<br>85,4 | 65.4         | 05.4         |
| 2 830<br>2 500              |     | 70,6 | 70,8         | 88,8                 | 84.68           | 90 (B)       | 80,0         | 08,8         | 88,8                 | 92/1           | 9292               | 92.1          | 122     | 92,1                 | 65.1         | 9010<br>9211 |
| 2 256<br>                   |     | 71.9 | 71.9         | 9616                 | 9696            | 9610         | 9010         | 9646         | 9656                 | 100 g          | 00 ¢ Q             | 100 g         | ,ŏ₫ d   | 100 d                | ,00°d;       | Léo, a       |
|                             |     | 71.9 | 71,9         | 96.6                 | \$2.50<br>P2.0V | 64-4         | 9010         | 95 y &       | 90=0                 | 100,0<br>100,0 | 00.6               | 00.0          | 20010   | 100 d                | 00-0         | 100% d       |
|                             |     | 71.0 | 71.9         | 9666                 | 90.0            | 9646         | 90.0         | 96.6         | 96 <b>5</b> 0        | 100,0          | ,00 <del>,</del> 0 | 100 - Q       | 100 g Q | 100 g                | .00 f Q      | 100°0        |
| 2 500<br>2 400<br>          |     | 71.9 | 71.9         | 96.6                 | 96.00           |              | 40+0         | 96-6         | 96 y 6               | 100,0          | LOO <sub>F</sub> C | tooşq:        | 100 g   | 100 y Q              | .00 ; g      | 00,0         |
| 2 230                       |     | 700  | 71.0         | 96.6                 | 9650            | 96.6         | 9010         | 96 6         | 4010                 | 0040           | 100 g Q            | 10638         | 100 k 0 | 100 / 6              | 100 FO       | ₹ÖÖ₹Œ        |
| ≥ 50<br>≥ 5                 |     | 7370 | 7179         | 4646                 | 96+6            | 96,6         | 9646         | 90.6         | 3656                 | 100.0          | 00-6               | 00-0          | 00.0    | 00-0                 | 0000         | 00.0         |

TOTAL NUMBER OF OBSERVATIONS

0,3

# CEILING VERSUS VISIBI'.ITY

| PERCENTAGE FREQUENCY OF OCCURREN (FROM HOURLY GBSERVATIONS) | CE  |        | APR<br>1800≈3000 |
|---|-----|--------|------------------|
| PERCENTAGE FREQUENCY OF OCCURREN (FROM HOURLY OBSERVATIONS) | CE  |        | 7800≈\$00C       |
|   |     |        |                  |
| 1. NG V \$ 8™ S'A'U'E M (ES                                 | -   | ·      |                  |
| 2 7 24 25 24 27 20 20 20 20 20 20 20                        | ≥ ¾ | 258 23 | > \$ 6 5 4 5 °   |

|                     | T | ≥ *         | 2.5       | ≥ ∠         | 23         | ≥ : -    | ≥ :             | ≥ -               | ≥ .          | ≥                | ≥ ¾            | ≥ 5 8            | 2 1              | ≥ ¢ 6           | ≥ .             | · ·          |
|---------------------|---|-------------|-----------|-------------|------------|----------|-----------------|-------------------|--------------|------------------|----------------|------------------|------------------|-----------------|-----------------|--------------|
| v: : (, √*<br>≥ 1,, |   | 40.0        | 90.0      | 90.0        | 40,0       | ÷0 • 0   | 4000            | 40.0              | 90.0         | 40,0             | 40,0           | 40.0             | 40:0             | 40,G            | 90.0            | 40.0         |
|                     |   | 4010        | 40.0      | #0.0        | 90 € O.    | 90 0     | 40#U            | 40 <sub>0</sub> 0 | 90.0         | 40,0<br>40,0     | 90,0           | 40.0             | 40,0             | 40.0            | 40.0            | 40,C         |
| <u> </u>            |   | 40.0        | 40,0      | 40.0        | 40.0       | 50.0     | 40.0            | 40-U              | <b>60</b> 20 | 90,0<br>90,0     | 7070           | 4040             | 90 • Q           | 90,0            | 90,0            | 90,0         |
|                     |   | 70 ± 0      | 90.0      | <b>90.0</b> | 40 - 0     | 4G.0     | 40 a 0          | 40.               | 90_0:        | an.n             | AO . (P        | .AA              | AA . Ai          | 40.0            | AA .A           | ZAZ          |
| _ ≥                 |   | 40 0        | 40,0      | 0.0         | 40.0       | 40.0     | <b>40</b> € 0   | <b>∮0</b> ,0      | 40.0         | 40,0             | 40.0           | 40.0             | 40.0             | 40-0            | 40.0            | 40.0         |
| =<br>\$ \$.55       |   | 7 V = V     | 7 V & V   | 70 a V:     | 70 a U     | 40 = U:  | <b>₩U.</b>      | 50.Œ              | an.n         | ≛n.n.            | An N           | AA A             | A                | 40.00           | AA              | 7 7 7        |
| -                   |   |             |           |             |            |          |                 |                   |              |                  |                |                  |                  |                 |                 | ₩U. 0        |
|                     |   | 40.0        | 9050      | 40.0        | 40.0       | 40 0:    | Anin            | \$0 # U           | 90/0         | ÷0,0<br>•0,0     | 90,0           | 60,0             | 40,0             | 40,0            | 9070            | 90,0         |
| _ = =               |   | 40.0        | 40.0      | 40-0        | 40.0       | 40.0     | 90.0            | 60.0              | 40-0         | 40,0             | 90 FO          | 40 O             | 40 - C           | 40,0            | 70.0            | 90,0         |
| - 5.                |   | TUEU:       | UU&U      | U U Z U     |            | DUEL     | CHEU            | PAGE AND          | 30. A        | PED IN           | ED 0           | 60.0             | A A A            | 6A A            | 40.0            | 2 A L        |
| = 51.               |   | AA B AI     | VVSVI     | 70 4 G      | QU s V:    | City 8 2 | じゅうひ            | BURU              | BD = D       | 80U              | An_n           | AO - O           | 80-8             | AC AA           | AAAA            | A 7          |
| 2 <b>4.</b> 0       |   | A # # #;    |           | 44F-        | 945V       | 1454     | 0000            | 04*4              | OUSE         | GUALE            | Patter CH      | MUSU             | E-11 12          | ¥0.79           | MA - N          | <b>≅</b> ∩ ∧ |
| 2 5501              |   | A 4 5 A     | CUSU      | OU & U:     | $OU \in U$ | BUKU     | 54 Z U.         | MUAIR             | ROZO         | an n             | 20.C           | 20.Oi            | BA-A             | 3 A . A         | EA A            | 20 A         |
|                     |   | 4.8.8.44    | vucu:     |             | CUSE       | 2011213  | cusu            | RULU              | HUME         | #CINCH           | HO. O          | 20 - N           | 2 A A            | CA A            | 5A %A           | 86 6         |
| 2007                |   | 80.0        | 80-01     | .ŠČŠČ       | 00-00      | 00.00    | 100 <u>-</u> 03 | 00.01             | ักนะกา       | 0000<br>00,01    | 00 03          | \$0 ° 0          | POPO             | 80,0            | 19/9.           | 90°0         |
| _ <b>6</b>          |   | 80.0        | ***       | 14444       | uusuu      | UU¥U     |                 |                   |              | CENTI INLE       | 1101 ##2       | nn na            | na.a             | AA .AIS         | A . A . A . A   |              |
|                     | _ |             |           |             |            |          |                 |                   |              |                  |                |                  |                  |                 |                 |              |
| ≥ p.n               |   | 80 0        | 60.01     | 00,00       | 00 - 05    | 00 ₹0    | 00500           | 00,01             | 00,02        | 00,01            | 00 - 01        | 0000             | 00,01            | 00,01           | 00,01           | 0.00         |
|                     |   | 80 0<br>0 0 | #0 € 0 B  | 00 2 02     | 00 4 0     | 00 40    | 00405           | 00,03             | 00 > 0       | 00,01            | 60, ek         | 00,00            | 00,01            | 00,01           | 00,01           | 00.0         |
| - <del>2</del>      |   | 80.0        | anin      | AAAA        |            | VOSA     | oc. of          | OO OI             | OUFO!        | 00.01            | oc of          | 00.01            | 40 + OI          | 00,0            | 00 401          | 00,0         |
|                     |   | 00.0        | 80-01     | 00.03       | 00.00      | 00.01    | 00.01           | 00.00             | 00-0         | 00.63            | an ant         | AALAE            | AA AA            | DOLOGI<br>AA AR | 가이들이다.<br>소등 소리 | 00.0         |
| 2 63^               |   | 80.0        | 90.01     | 00101       | COTO       | 00.0     | 00,01           | 00.0              | 00.00        | 00,0             | 00-01          | OO YOU<br>OO YOU | 00.0             | 00 -01          | AA FAR          | -VQ~V        |
| ÷                   |   | 90.0        | 80,02     | 00,0        | 00.0       | oc , o   | 00 003          | 00,0              | 00 70        | 00,03            | 00.01          | 00-01            | 00 = 0 T         | 00.00           | 00 201          | 00.0         |
| ≥ 400<br>           |   | 50,0        | 90 y O    | 00308       | 00+05      | 00,0     | 00 01           | 00,00             | 00.0         | 00,04            | QO OL          | 00,0             | oc, oi           | 00,0            | 00:01           | 00.0         |
| ≥ 200               |   | 고등교육:       | * * 3 Sin | A B 2 2 2 2 | 4 C 3 C A  | UUSEUR   |                 |                   | uusuu        |                  |                | E3F3 4. K313.    | 4 1 5 3 to 5 7/2 | F163 .23:12*    | 2121            | AB 75        |
|                     |   | 2 7 7 7     | 77776     | サイチが持       | ササミツ流      | ひかをかけ    | ・ヘカミカ学          | UUEUK             | OUFUE        | 20 - 0C          | cosou          | 00 = OŒ          | 00 = 01          | 00200           | ዕለራለው           | AC_A         |
| ž 5                 |   | 86 0        | 9050F     | 00407       | 00 401     | 20101    |                 | COLOR             | ひとの          | 00+01<br>00+01   | 00,01<br>00.01 | 00 + OK          | 00+0 <u>0</u>    | 00-01           | 90231           | QC & C       |
|                     |   |             |           | 4 - 15      |            |          |                 | 4014              | 4464%        | <b>→</b> A E A № | adiah          | VALA             | A A A App        | AAAAA           | 40 20 2         | 90 f 0.      |

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC LOCK 0-14-5 (OL 1) PRE- DUS EDITIONS OF THIS FORM ARE DESOLUTE

# CEILING VERSUS VISIBILITY

| \$1              | EGENBU | RG GE | RHANY         | ้อกหม        | ERY R               | ANGE           | 60.   | 70            |                |              | <del>13 -</del> - | •            | <b>-</b> |         | # <b>4</b>       | Y                           |
|------------------|--------|-------|---------------|--------------|---------------------|----------------|-------|---------------|----------------|--------------|-------------------|--------------|----------|---------|------------------|-----------------------------|
|                  |        |       |               | PERC         | ENTAG<br>FROM       | E FREG<br>HOUR | LY OB | Y OF C        | OCCUR<br>TIONS | RENCE        |                   |              |          |         | 0500-            |                             |
| £                |        |       |               |              | _                   | -              |       | 58.7 \$       | A . : W        | .fs          |                   |              |          | -       |                  |                             |
| _                | ≥ 1    | ≥ ¢   | 2             | 2.4          | ٥.                  | 2:             | ٤,    | ≥ .           | > .            | 2            | •                 | 2 <u>5</u> # | 1 1      | - ≥: 6  | ·                | <br>≥.                      |
| NOTE NO<br>LESS  |        | 23,9  | 26,7'<br>30,4 | 30,4         | 31.1                | 24.1           | 34,1  | 35,1          | 34,1           | 35,6         | 39,3              | 35,0         | 35,6     | 35,6    | 35,6             | 35,6                        |
| 2 8° 1<br>2 6,1° |        | 29.6  | 30,9          | 34,1         | 34,0                | 88.8           | 37:5  | 37.8          | 37.0           | 3933         | 39.3              | 39.3         | 39,5     | 39,3    | 39,3             | <u>39.3</u><br>39.3<br>39.3 |
| 2 4 .7<br>2 1111 |        | 29,6  | 30,4          | 39.1         | 34,8                |                | 37.0  | 37.8          | 37.0           | 39.3         | 37.3              | 39,3         | 39,3     | 39,3    | 39.3             | 39.3                        |
| ≥<br>≥ •.::      |        | 31.1  | 31.9          | 37.0         | 37,8                | 37,8           | 40,7  | 40.7          | 40,7           | 42,2         | 4212              | 98.2         | 42.2     | 42,2    | 9212             | 42.2                        |
| 2 8              |        | 32,0  | 33.3          | 38,5         | 39,3                |                | 42 .2 | 42,2          | 4242           | 43.7         | 43.7              | 43.7         | 43/7     | 43.7    | 43.2             | 42.1<br>98.                 |
| ž :<br>2         |        | 33,3  | 34.8          | 40,0         | 40,7                |                | 4317  | 45,7          | 4967           | 48.1         | 43.2              | 65.2         | 45,2     | 40,2    | 75,2             | \$5.6                       |
| 2 -              |        | 34,8  | 36,3<br>36,3  | 43.0         | 43.7                | 43.7           | 46.7  | 46,7          | 46.7           | 46,1         | 40,1              | 48,1         | 45.1     | 48.1    |                  | 48.1<br>48.1                |
|                  |        | 30,3  | 37,6          |              | 40.2                | 45.0           | 4801  | 45,1          | 46.1           | 49 60        | 47.5              | 49,0         | 49.6     | 49.0    | 99.01            | 99,6                        |
| # 12<br>- ****   |        |       | 15,67         | 08,0<br>68,9 | 53,7                |                |       | 65.7          | 60,7           | -\$0 a 1     |                   | 48,3         | 0011     | 98.1    | 05.1 6           | 90,4                        |
|                  |        | 57,0  | 0 = 0 0       | 7350         | 70:4                | 75.4           | 144   | 79,0          | 7693           | 77:0         |                   | 77,5         | 77.8     | 77,8    | 77.0             | 77,8                        |
|                  |        | 58.5  | 61,5          | 7931         | 79.0                | 1499           | 79.5  | 50.0          | 81,5           |              | 00,0              |              | 53.0     | 83,0    | 43.0 6           | 30,7                        |
|                  |        | 36,5  | 01.00         | 79.8         | الْحُودُ وَ الْحُرِ |                | 80,7  | 82.7          | 85,4           | 89 g 5       | 90,4              | 90:4         |          | 40.4    | 9000             | 0.4                         |
| <br>- ::         |        | 59.5  | 61,5          |              | 75,4                |                | 30,7  | 53.7<br>33.7  | 55,9           | 89,6<br>89,6 | 91.1              | 91.1         | 9141     | 9111    | V1.1 0           |                             |
| ± 4°.            |        | 24.5  | 01.5          | 74.0         | 13:0                | 75.0           | 8047  | \$2:7<br>85:7 | 85,9           | 9131         | 74,8              | 94,8         | 70,8     | 99.8    | 36,00 9          | 4,5                         |
| 2                |        | 20,3  | 61,5          | 7450         | 73:51               | 73,6           | 61,5  | 39.4          | 80:7           | 67.10        | 95.5              | 9360         | 83.6     | 45 - 51 | 94,8 9           | 7.0                         |
| <u> </u>         |        | 5833  | 61.5          | 7638         | 7320                | 73.6           | 6103  | bone          | 60e7           | 41.4         | 95-61             | 97.0         | 97. AL   | 67 -011 | 98,510<br>98,510 |                             |

## CEILING VERSUS VISIBILITY

34199 STEGENBURG GERHANY GUNNERY RANGE 48970

- MAY

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS)

VIBERTY CHATCHE WASS

|              | 2:           | ≥ •    | 2:              | ≥ z              | ≥;              | ≥:-            | 21                | <u>&gt;</u> . | ≥ .            | 2              | ≥        | 258            | 2 ,               | 2, •          | ≥ .          | 2:       |
|--------------|--------------|--------|-----------------|------------------|-----------------|----------------|-------------------|---------------|----------------|----------------|----------|----------------|-------------------|---------------|--------------|----------|
| 10 0F NO     |              | 32,1   | 32,6            | 33,6             | 34,3            | 34.3           | 36.6              | 37.3          | 37.3           | 37.3           | 37.3     | 27.3           | 37.9              | 37-3          | 37,3         | 37.3     |
| = = = = =    |              | 39.0   | <del>9999</del> | 92 <u>6</u> 2    | 46.2            | 46.3           | 99#2              | 47 a 3-       | 45.3           | 49.3           | 49.2     | 49.1           | 49.2              | 49.2          | 40.2         | 49,3     |
| 2 8000       |              | 39,0   | 44.8            | 45 . 5           | 46.3            | 4643           | 48.5              | 49.3          | 49.1           | 49.3           | 49.2     | 48.2           | 49,3              | AG . 1        | 40.3         | 47,3     |
| _ 2 -::: _   | <del>-</del> | 39.6   | 44,0            |                  | 40.3            | 40.3           | 45.5              | 49,2          | 49.3           | 49.3           | 49.3     | 49.2           | 49.3              | 49.3          | 49.3         | 46.2     |
| _ 4_ ^       |              | 39,6   |                 |                  | 46.3            | 40.3           | 4 # # 2.          | 49.3          | 49:2           | 47.3           | 49.2     | 49.3           | 49.2              | 49.3          | 49.7         | 49.2     |
| <u> </u>     |              | 39; 6  | 44,0            | 45.5             | 46.3            | 46.2           | 48 <del>-</del> 5 | 49.3          | 49.2           | 497.9          | 중국 로 로   | 49.1           | 49.3              | 49.1          | 49.3         | 49,3     |
| <u>₹ 272</u> |              | 444 5  |                 | 50,7             | 51,5            | 51,5           | 59/7              | 54.5          | 34.5           | 54,5<br>54,0   | 54.5     | 14,5           | 54 <sub>V</sub> 5 | 54,2          | 54.5         | 54,5     |
| ≥ 900°       |              | 40,3   |                 | 52,2             | 53 · O:         | 59.0           | 58.2              | 50,0          | 56.0           | 96.0           | 56'.O    | 56.0           | 20-6              | 50.0          | \$6,0        | 36,c     |
| 2 \$360      |              | 47,0   |                 | 98,0             | 53.7            | 5977           | 50.7              | 57.9          | 57.5           | 57.5           | 37.5     | \$775          | 57.层              | 57.5          | 57,5         |          |
|              |              | 47.0   |                 | 53,A             | 59.7°           | 53/7           | 56}7              | 57,3          | 37,5           | 57,5<br>57,5   | 57.5     | 37.5           | 97.K              | 57.5          | 身が こだ        | 27.2     |
| ್ತೆ ಕನ್ನಡ    |              | 47,0   | 34,5            | 55,2             | 54 . O          | 50 e 0:        | 5770              | 57,7          | 59,7           | 39.7           | 59.7     | 6977           | 59.7              | 5979          | 50.7         | 39.7     |
| 2 ::::       |              | 54,5   | 61,2,           | 61.9             | 62,7            | 62/7           | 5970              | 66,4          | 66+6           | 59,7<br>66,4   | 44.9     | 66+4           | 66.4              | 66.4          | 66-6         | 66.4     |
|              |              | 56.5   |                 | 69,7             | Ó∳ş∳.           | 66 y \$'       | 仓鼻鼻痛.             | 7972.         | 70 L           | 70.1.          | 70.1     | 70.1           | 79.1              | 70.1          | 70,1         | 70,1     |
|              |              | 54}2:  | 6679            | 65,7             | 66,4            | 66,4           | Q & * 4.          | 70.1          | 70,1           | 70,1           | 70,1     | 70.1           | 76.1              | 70,1          | 70,1         | 70,1     |
| <b>±</b> 1   |              |        | 65,7            | 00 p 6           | 67.2            | 67.5           | 7091              | 70,9          | 70/9:          | 70,7           | 70.9     | 7079           | 70,9              | 70/9          | 7079         | 70.9     |
|              |              | 59°, 9 |                 | 66.6             | 67,2            | 67 j Z.        | 70s A.            | 70,9          | 70#9           | 7039           | 70.9     | 70.9           | 70.9              | 70 <i>/</i> 9 | 70.9         | 70.9     |
| 3 7260       |              | 0917   | 71,0            | 72,4             | 7211.           | 73:L           | 7016              | 76,9          | 70/9:          | 70.7           | Test:    | 76:9           | 76.9              | 76.9          | 76/9         | 70,7     |
| 2 2000 _     |              | 71,9   | 70,4            | 7979             | 81 e 3'         | 6143           | 56p3              | 85,6          | 85} <b>6</b> : | 70,79          | 6536     | 85.8           | 89.1              | 85.0          | 45.6         | 85.8     |
| 2 35.        |              | 7719:  | 79,1.           | 90,6             | 62, I,          | 65°1           | 55+1              | 90 y OI       | 90-01          | 00+0           | ē¢ro     | 6646           | 26y N             | 86.6          | 946          | 66,6     |
| _ 500<br>    |              | [969]  | 81/3            | 6230             | 65 p 81         | 65 0           | 89 P Q1           | 91,0          | 91,0           | 00,0           | 91.0     | 0440           | 97.0              | 91,0          | ÇÎ Î         | PI.c     |
| g 200        |              | 7919   |                 | \$9 <u>5</u> \$1 | \$6 <b>\$ 9</b> | 66 j 0.        | 72.53             | 44 O          | 70×01          | Pero:          | 90 s of  | 3680           | 79.9              | 94#0          | 29.0         |          |
| 2 22         |              | 7619   | 89, j.          |                  | 92,5            |                | 7019              | 64.2          | 48.5           | 90,5I          | 무중호등     | 99 <i>i</i> 5: | 70.0              | 90)5          | 90,5         | 98.5     |
| é 933        |              | 7917   | 95, 1.          | 69.0             | 72.5            | 7299           | 1845i             | 為金を行          | 70 - 51        | 7075           | A축 PQ(   | 9852           | YENG!             | ¥8.45         | 90,5         | 90.5     |
| _ 2 800      |              | 76,9   | 65 j.           | 89,6             | 92,3            | 92,9           | 96+3              | 99:3          | 99.3           | 9929           | 99       | 99/9           |                   | 99,3          | 9953         | 99.3     |
| ÷ ~x         |              | 1917   | 55 p. j.        | 50.0             | 93.5            | 9295           | 90 a 2:           | 99.3          | 99.3           | ·99,3          | 99:3     | 9473           | 99.3              | 99,3          |              | 99.3     |
|              |              | 76,9   | 85,1            | 89,6             | 92.5            | 92+5           | 90.0              | 99:3          | 99.3           | 9938           | 9973     | # <b>?</b> }}  | ŶŶ,3              | 99,3          | 무단경기         | 60.2     |
| ±            |              | [0) A. | 00.1            | 64.0             |                 |                |                   |               |                |                |          |                |                   |               | 00000        | 00.0     |
| _ 400        |              | 75591  |                 | 99/6             | 72,5            | 医多数性           |                   | 1 2 3 4 i     | 7794           | <b>VUEU</b>    | nason    | OCYDI          | UUECL             | OOJGI         | $u_0  i o_0$ | 00 G     |
| <u> </u>     |              | 429 A. | 52.2            | 97.9             | A215;           | 7649.          | F T F F F :       | F E = 94      | 77553          | CUUEVA         |          | III. # 141     |                   | E3E3 - UNIT   | E353 2 505   | nn - r   |
|              |              | 7919   | 8531            | 9,6              | 92,8            | 92.5           | 9639              | 7772          | 77 <i>68</i> 3 | :00±01         |          | anyon          | :Oo≤na            | 00 - Oit      | anim         | $M_{-}M$ |
| 2            |              | 1511   | 22.1            | 77/9:            | 43.5            | 1212           | XPFE!             | TIE           | AAAA           | 00+02<br>20+00 | 9000     | 00 <b>7</b> 00 | 00#QQ             | 00 / C.       | 00 701       | 00.0     |
| 2 -          |              | 7517   | 9977            | ñA.Fói           | 42 * 9;         | 35 <b>(2</b> ) | AĞ 부활             | <b>PP 95</b>  | 99+11          | 00901          | 40 y o þ | 00 £ 01        | 00.01             | 00,02         | 00+01        | 0000     |
|              |              |        |                 |                  |                 |                |                   |               |                |                |          |                |                   |               | <del></del>  |          |

TOTAL NUMBER OF ORSERVATIONS 194

USAF ETAC ...... 0-14-5 (OL 1) PREVIOUS ED TONS OF THIS FORM ARE OBSOLETE

## CEILING VERSUS VISIBILITY

SIEGENBURG GERMANY GUNNERY RANGE 68-70

428 - 142 - 324

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

7500-140C

|   |              |           |                    |                         |           |                  |            | •          |         |                           |                 |               |                |                  |
|---|--------------|-----------|--------------------|-------------------------|-----------|------------------|------------|------------|---------|---------------------------|-----------------|---------------|----------------|------------------|
| ***                                     | 2 : ≥ s      | 2 5       | ≥ 4                | 1 21-                   | 2:        | ≥                | <i>?</i> • | ≥          | ≥ ½     | 2.8                       |                 | 2: 6          | <u> </u>       | ≥ :              |
| NO SE NO                                | 27           | 4 25,1    | 25,1 26            | ,1 20,1                 | 28.7      | 28.9             | 26.9       | 28,9       | 8.9     | 28.9·                     | 28.9            | 25.9          | 28.9           | 28.9             |
| - * * * * * * * * * * * * * * * * * * * | 40           | 7 42.6    | 45.2 45            | •2. 9Ĵe2                | 45,9      | 45,9             | 45.9       | 65.9       | 5.3     | 65.9                      | 45.5            | 45. Ý         | 45.9           | 45.9             |
| ≥ ŧ .                                   | <b>40</b> ,  | 1 40,2    | , 40 g 2 49        | #2. 45 #Z               | 45.9      | 45.9             | 45.9       | 4539 6     | 13.9    | 45.9                      | 45.9            | 45.9          | 4829           | 45.Q             |
|   | 40           | 7 45,2    | 40.2 45            | s2 €5 £2                | 45.9      | 45.9             | 45.1       | 45291      | 9:50    | 45.9                      | 45,9            | e. En         | 45}9           | 45,9             |
| ÷ •                                     | 90           | 1 97,2    | 45,2:45            | #2. 43#2<br>9. ia 2     | 43±7'     | 83.7             | 63.        | A          | 4 4 7   | A 4 . 3.                  | A4 . U.         | A-7-12        |                | 44.4             |
|   | 45           | 81 403 /  | 60.7 60            | 97 <b>90</b> 97         | 9 ( 4 4   | 67,4             | 41.4       | 41 60)     | 7,4     | 47,4                      | 47 941          |               | 47.4           |                  |
|   | 48           | 1 20 A    | 50,4:50            | 99' 20 #9               | 7541      | 2111             | 3111       | 2112       |         | 21,1                      | 21.1            | 51,1          | 214            | 51,1             |
| -                                       | 50           | A RAR     | 52,6 92            | 90: 3290<br>- A: A1 : B | 2090      | 20 4 Al          | 26 9.      | 23,3       | 2,5     | 53.3                      | 25 g 3(         | 53,3          | 39 × 3;        | 33.3             |
| ≥ 6010<br>≥ 1000                        | 50           | 4: 54.8   | 54,8 54<br>54,8 54 | 50 50 50                | 55.6      | 2250             | 779 P      | 22791      |         | 22,0                      | 22 to:          | 22 g Q:       | 22/0           | 55,6             |
|   | 51           | 1 55.6    | 55.0 55            | -01 55-0                | 50.3      | 90.3             | 20.3       | 50.3       | 0.3     | 33 (U)                    | 39 5 W          | EA T          | 22 to.         | 2210             |
| 5 :                                     | 553          | 6 50-0    | 55,6 55            | .0: 60.0                | 60.7      | 60.7             | 5027       | 60.7       | 0.7     | 60.7                      | 60.7            | 60/7          | 66.7           | 50.3<br>60.7     |
| <u> 2 - 2 - </u>                        | 57           | 0 02.2    | 6222 62            | 42 0232                 | 07/ e O   | 63.0             | 63.0       | 63.016     | 3.0     | 69.0                      | 63.0            | 63.0          | 68 ×0:         | 0.66             |
| 2 4                                     | 577          | 81 62 2   | 62,2 62<br>62,2 62 | 32 62 2                 | 0000      | 69.0             | 63.0       | 63.0 6     | 3.0     | 69.0                      | 03 60           | 63.0          | 63.0           | āš.o             |
| <u> -</u>                               | ~£1          | AL ABA    | [ <b>6344</b> ] 64 | 4 0444                  | de g      | 65,2             | 05.2       | 05,2 6     | 9.2     | 92.2                      | 65.2            | 05/2          | 9512           | 65/2             |
|   | 63           |           | ' 66 jî 7' 66      | <i>š</i> 7 66 7         | 67.4      | 67.4             | 67.4       | 67,4 6     | 7,0     | 67,4                      | 67,4            | 67,4          | 67.4           | 67.4             |
| 2 25-                                   | 631          | 0 76,1    | [953 <b>7</b> 9    | 5 b. 193 b              | 1919      | 7400             | 74,0       | 79.5 7     | 990     | 7919                      | 74.5            | 74.0          | 1912           | 79,8             |
|   | 7 <b>1</b> 7 | 0 82:2    |                    | ∌ <b>4 84</b> 94        | - BB (3)  | 65.7             | 85,7       | 8677 8     | 6,7     | 8647                      | 86,7            | 86;7          | 9677           | 86/7             |
| 2 80.<br>≥ 300                          | 63           | TT: 73333 |                    | 47 86√7<br>22 9525      | : QD a L  | 80 + 1<br>84 - 8 | 5001       | 95,619     | 5.9     | 8849                      | 68.9            | 88,7<br>8= 4. | 00.79          | \$\$ <b>*</b> \$ |
| 2 7::                                   |              |           |                    | 80 4243<br>83 4243      | 94.8      | 02.8             | 94-8       | 98261 6    | 4-6     | 72501<br>86.40            | VELA:           | 95,6:         | 25 6           | 72# <b>0</b>     |
|   | 84           |           | 96,8 9             | sé 95.6                 | 9093      | 9933             | 99.2       | 00,00      | 0.0     | 00.00                     | 00-0            | 00.00         | 26.24          | 20070            |
|   | 85           | 7 91.9    | 99 96 99           | abi ybro                | ・ラテック・    | 77 - 3           | 44.20      | 100-040    | 0.00    | 00.00                     | OOAGIE          | 00-00         | DAMAG          | AA: A.           |
| ŧ -                                     | 86           | 7 91.9    | 74,8 95            | <b>10: 9516</b>         | 9923      | 9953             | 99:3       | 00,010     | 0-01    | 00.0                      | 00.01           | 00-01         | oo foi         | 0010             |
|   | 851          | 1. 177    | 9439 98            |                         | 7778      | \$9 ¥ \$1        | 99,3       | 09,040     | 0,02    | 00,05                     | COFOL           | 00.01         | <u>00 ≠ 01</u> | 00.0             |
| 3 62                                    | 56           | 7 91,7    | 96.9 95            | 16! 9016                | 9993      | 99,3             | 99,3       | locioro    | 0,04    | 00.01                     | 00.04           | so,ot         | 00 201         | 00,0             |
| 2 25                                    | 90           |           |                    | 90. 20 ED               | ( 字字音音)   | 77+31            | 77***3     | じひしゃいなの    | 10 - 01 | $\Omega\Omega = \Omega R$ | na-na           | สดเกเ         | 00 = 0.1       | DD - D           |
|   | ē63          | 4 64 6    |                    | 0 9536                  | AME       | 77 # 21          | 4444       | 1004020    | DAOT    | 00 4 6 2                  | 99#UL           | 00+00         | 00 202         | 00 - (           |
| - 200<br>200                            | 20           | 91 74 6   | 64.0 62<br>52.0 62 |                         | 9933      | 77.5             | 7770       | 00,000     | AACE    | 0010                      | OGSOF           | 00.40%        | <u> </u>       | <u> </u>         |
|   | 35           | ALA       | 4419.42            |                         | ( T 2 5 1 | 27 9 PI          | 77572      | ********** | 0 ¥ 0 t | 00 F GE                   | ¥0 <b>₽</b> 0 ₽ | 00 502        | 00 <i>=</i> 01 | 00 c 0           |
| 3                                       | 131          | 7 91 9    | 86 9 62            |                         | 96.3      | 60.3             | 60-21      | 00,010     | 0.0k    | OO LOE                    | VO TOP          | OO YOU        |                | 00.0             |
|   | 477          |           | - 16               | + <del>+ + + +</del>    |           | - 4 4 41         | - ·        | ANAMAA     | VOVE    | 49 tur                    | aatrik          | uufvä         | ふう 生んヤ         | An & A           |

TOTAL NUMBER OF OSSERVATIONS

USAF ETAC .... 0-14-5 (OL 1) \*\*\* CUSED \* ONS OF \*\* S FORM ARE OBSOLETE

### CEILING VERSUS VISIBILITY

SIEGENBURG GERMANY GUNNERY RANGE 68-70

HERE'S SAU WILL

YAY 1500-1700

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS.

≥ 51... 8177 | SEL ≥ 60 2 5... 2 ::... - 5: · - 2 ::: \_ 8 € 2 -¢0 

TOTAL NUMBER OF OBSETVATIONS

USAF ETAC TILL 0-14-5 (OL 1) PREVIOUS ED TIONS OF THIS FORM ARE OBSOLUTE

#### CEILING VERSUS VISIBILITY

34199 SIEGENBURG GERHANY GUNNERY RANGE 68-69

×ΔΥ

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS1

1608-3000

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC .... 0-14-5 (CL ) PAEL DUS ED TONS OF THIS FORM KRE OBSOLETE

#### CEILING VERSUS VISIBILITY

SIEGENBURG GERHANY GUNNERY RANGE 68-69 34199

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS!

VSB TO SATUTE MEDI 

ICIAL NUMBER OF OBSERVATIONS \_\_\_

USAF ETAC ... 0-14-5 (OL 1) PER LUSED DES OF THE FORM ARE CRESCUETE

# CEILING VERSUS VISIBILITY

34199

SIEGENBURG GERMANT GUNNERY RANGE 6807C

¥ ---6630-3801

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

|               |                             |  |                            | <del></del>   |                          |                                       |
|---------------|-----------------------------|--|----------------------------|---|--------------------------|---------------------------------------|
|               |                             |  |                            | · · · · · ·   |                          |                                       |
| ÷             | 1 <b>4</b> 2                | * = = = *                                | 2; <u>2</u>                | * * 2 25  |                          |                                       |
|               | 36,0 39,6                   | 42.1 42.1 42.1                           | 42.1 42.1                  | 42,1 42,1 43,1  | 43 1 40 .                | · · · · · · · · · · · · · · · · · · · |
| · · ·         | 38,4: 42,7                  | 45.1 45.1 45.1                           | 45.1 45.1                  | 42:1 42:1 42:1  | 48.1 42.1<br>48.1 45.1   | 67.1 42,1 42,1<br>45.1 45.1 45,1      |
| - *           | 39, 4 48, T                 | 45,1 45,1 45,1                           | 45,1 45,1                  | 45.1 45.1 45.1  | 45.1 45.1                | 10,1 45,1 45,1                        |
|               | 38,4,42,7                   |  | 45,1 45,1                  | 45.1 45.1 45.1  | . 65.1 45.1 4            | 15.1 45.1 45.1                        |
| - •           |                             | 45,1 45,1 45,1<br>45,1 45,1 45,1         | 95,1: 45,1<br>45,1 45,1    | 45,1 45,1 45,1  | 45.1 45.1                | 15,1 95,1 45,                         |
| -             | 39,4:43,9:                  | 47.0 47.0 67.6                           | 'Giso: &i.c.               | 67.6 57.6 E7.5  | · #9 . 4. #9 . 4. 7      | 15.1 45.1 40.1<br>17.6 67.6 27.4      |
| 2 •           | 37,6143,9                   | 91 tw 91 to 91 to                        | · • / • • • / • • •        | 4 4 1 4 6 1 4 6 4 6 7 4 6 6 7 4 6 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 | : K9.4. K9.4. /          | 7,6 49,6 47,6                         |
| . *           | 7016, 592                   | 70:4: 95:2: 98:2                         | : 45 a 2: 48 a 2:          | 88.9 4617 66.5  | 40,2 90,2 C              | 842 4812 48,2                         |
|               |                             |  |                            | 48,2 48,2 48,2  |                          | 8,2 48,2 48,2                         |
|               | 43,3, 47,6                  | 21.2 51.2                                | 51.2 51.2                  | 48,2 48,2 48,2<br>51,2 51,2 51,2<br>51,2 51,2 51,2  | 98,2 98,2 4<br>51,2 51,2 | 1,2 51,2 51,2                         |
| _ 4"          | 43,3 67,6                   | 21,2, 21,2, 21,2                         | 51,2,51,2                  | 51,2 51,2 51,2  | 51,2 51,2                | 1,2 31,2 51,2                         |
| ·             | 97,0 21,5                   | <u> </u>                                 |                            | **************************************  | <u>. 4717 221</u> 2 2    | 19 ja 24 ja 25 ja 1                   |
|               | 47.0 52.4                   | 50.1 30.1 50.1                           | 3035; 30.1;<br>3035; 30.8; | 50,1 50,1 50,1  | 2011 3011                | 0,1 50,1 50,1                         |
|               | 99791 59531                 | 9212 9312 9212                           | 92,2 63,4                  | 03.3 03.9 03.6  |                          | 7,6 97,6 57,6<br>U,4 03,4 05,4        |
| - <del></del> | 23,0: 57;9                  | 70.7 71,3 71,3                           | 73.2 74.4                  | 03,3 03,6 63,6<br>74,4 76,8 76,8  | 76,8 76,8 7              | 5,8 76,8 76.8                         |
| ≟ 6↓<br>_ ?   | 55.01 37.49:<br>5448: 60-4: | 7017 7113. 7113<br>7523: 93.0 95.0       | 7312 74                    | 79,4 75,8 76,5<br>79,3 83,5 83,5  | 76,8 76,8 7              | 6,8 76,8 76,E                         |
|               | 2832: 51.6                  | 1686, 1310, 15°0;<br>1888, 1316, 1310;   | 1893 85.5                  | 03/2 20/4 20/4  |                          | 3,5 43,5 63,5                         |
| ::<br>- :::   |                             | ACRO: AURI ATEL                          | AAAA GAAA                  | 90.2 77.0 97.0  | 6616: 66161 6            | 0,00 98,00 98,5                       |
| - :           | 98 9 50 50                  | 51:1 61:/ 31/7                           | SOLU SAPE                  | 70.2 97-6 97.0  | PRADITION OF             | Right Walser Walt                     |
|               |                             | 6141 611 611 611 611 611 611 611 611 611 | AREA ESSE                  | 1046 7 ( + Q) 7 T 2 Q   | 400 A00 A                | 4818 98.6                             |
| <u> </u>      | 58,51 04,61                 | \$ 1                                     | 29-01 89-81<br>28-01 89-81 | 90:2 97,0 97,C  | TOPE TOPE TO             | 3,8,8,9,8                             |
|               | 36,8.09,0                   | TREE: This: Sept.                        | ABARI ARBY:                | TARM FOLES TOURS  | LODUMIKALMA              | A. AATAGAAAAA                         |
| 2 455<br>     | 58,5; 64,6:                 | 91.1. 91.7 91.7                          |                            |   |                          |                                       |
| 2:            |                             |  | PERM TOPE                  | フスミン( アマムエ: マラメミ)   | LAM » OLDO «ALLA         | NEW ADJATEALS                         |
|               | 98,9 09,0                   | <u> </u>                                 | वैद्वार प्रवास             | 7145 7622 9823  | 100 <u>100 00 100 0</u>  | O POSTO POSTO O C                     |
| <u> </u>      | 58;3) 64;6                  | 6111 8177 8177                           | 86.01 \$3.9                | 91.3 93.2 98.2  | 100.6700±070             | oregooregoore                         |
|               |                             |  |                            |   |                          |                                       |

TOTAL NUMBER OF OBSETVATIONS

USAF ETAC TICH 0-14-5 (OL 1) PREVIOUS TO TIONS OF THIS FORM ARE OBSOLUTE

### CEILING VERSUS VISIBILITY

34199 SIEGENSUNG GERMANY GUNNERY RANGE 68-70

PERCENTAGE FREQUENCY OF DOCUMENCE FROM HOURLY OBSERVATIONS

2900-1101

USAFE'AC THE DIALS OF THE STATE OF THE SECRET

### CEILING VERSUS VISIBILITY

SIEGENBURG GERMANY GUMNERY RANGE 68-70

7500-1400

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| r -,-  |              |                  |                                  |       | ¥ \$         | B1, "Y 5"A   | "L"E M LES   |                   |                      |              |                      |               |  |       |
|--|--------------|------------------|----------------------------------|-------|--------------|--------------|--------------|-------------------|----------------------|--------------|----------------------|---------------|--|-------|
| ****   | ≥ 0 ≥ 6      | 23               | ≥ 4 ≥ 3                          | ≥:-   | 2 i          | ≥ -          | 2 4          | 2                 | ≥ •₄                 | 258          | 2 7                  | 23 0          | _  | ≥ ;   |
| 1.   | 25,5         |                  | 0,9 30,9                         | 30.9  | 30,9         | 30,9         | 90,9<br>34.5 | 30,9              | 90,5<br>34.5         | 30,5         | 34.3                 | 34,7          | 30,9                                     | 34,2  |
| \$ 8000<br>2 6000                                      |              | 34,5 3           | 4,5 54,5                         | 34.5  | اخصات        | 34.5         | 34,5         | 34,5              | 34,5                 | 34,5<br>34,5 | 34,5                 | 34,5          | 34.5                                     | 34,5  |
| 3 4550   | 33,9<br>33,3 |                  | 5.8 35,8<br>6.8 8.2              | 35,6  | 21:08        | 35.8         |              | 85,8              | 35,6                 | 35.0         | 35,8                 | 35,0<br>35,0  | 35.8                                     | 35.8  |
| 2 (0101  | 35,8         | 37,6 3<br>37,6 3 | 7,6 37,6                         | 37.6  | 37.4         | 37,6         | 37.6         |                   | 77,6                 | 37,6         | 37.6                 | 37,6<br>37,6  |  | 37.6  |
| > 8 00<br>≥ 1000                                       | 35,2<br>35,2 | 37.0 3           | 7.6 37.6                         | 37.0  | \$7,0        | 37,5         | 37,6         | 37,6              | 37,6<br>37,6         | 37,0<br>37,0 | 37,6                 | 37,0          |  | 37,6  |
| ≥ 6000<br>≥ 501  |              | 43,0 4           | 7,6 37,6<br>2,0 43,0             | 43.0  | 43.0         | 49.0         |              | 43.0              | 37,6<br>43,0         |              | 37,0<br>43,0         | \$7,0<br>43,0 | 37,6<br>48.0                             | 43,0  |
| ≥ 4500<br>4030   | 43,0         | 51.5 5           |                                  | 51,5  | 51,5         | 51,5         | 51,5         |                   | 51,5                 | 51.5         |                      | 51,5          |  | 51,5  |
| 2 350°<br>4 30-  | 40,          | 57,0 9           | 7.0 57.0                         | 57c0  | 57.0         |              | 57,0         | 57 <sub>f</sub> 0 | 57,0                 |              | 57.0                 | 53,9<br>57,0  | 97.0                                     |       |
| ≥ 2500<br>≥ 20°  | 7319         | 31,888           | 5,2 13,2<br>4,2 14,2             | 89 32 | 84,2         | 79.2<br>84.2 | 8412         | 8422              | 75.2<br>84.2<br>84.2 | 75.2<br>64.2 | 75¢2<br>84¥2<br>84×2 |               | 10 00 00 00 00 00 00 00 00 00 00 00 00 0 |       |
| ± 1800<br>± 500<br>±                                   | 770          | 56,1 9           | 8.1 98.1                         | 9241  | <b>P</b> 201 | 9042         | 92,1         | 92,1              | 92,1                 | 64.2         | 92.1                 | 62.1<br>63.1  | 92.1                                     | 650   |
| ≥ 1200<br>= 1000<br>= 1000                             | 77,          | 87,9             | 2,7 (2,7<br>6,9 96,4             | 90 0  | 6040         | 98.2         | 90 j Z       | 100°03<br>100°03  | 00,0                 | 100 - 0      | 9.9<br>90.0          | 00,0          | 100 -0                                   | 100.  |
| = \$CL '   | 779          | 87,3 9           | 6,6 90,4<br>6,6 90,4<br>6.4 90.4 | 96.4  | 96.4         | 68 2         | 90,2         | 00,00             | 00,0                 | 100 FE       | too¥0\               | 100 % O       | 100 to                                   | 100 · |
| 2 00<br>2 60<br>                                       | 779          | 9 87,3           | 5.4 96.4                         | 96.4  | 9646         | 96 - 2       | 90,3         | 00,0              | 00:0                 | t30 ≠ 9      | 100 g Q              | 00,0          | 許斯斯                                      | 100.  |
| : ≥ 500<br>∠ 400                                       | 779          | 6 67.3           | 0,0 90,0                         | 96.4  | 96 49        | 95,2         | 76.2         | 100±0             | 00.0                 | 100 -0       | 10010                | 1003G         | \$60 °C                                  | 700   |
| ≥ 300<br>≟ 400<br>,——————————————————————————————————— | 77           | 5 87.3           | 6,9 96,4                         | 90.4  | A6 4 4       | 46 4 S       | 46 2         | 100-01<br>100-01  | 00 0                 | 10040        | 100 £ 6              | 700%C         | 10010                                    | tôō*  |
| '≥ 160 '   | 77,          | 87.3             | 644 9665                         | 96.4  | 96.4         | 98.2         | 96.2         | 100.00            | 00 0                 | 100-0        | ŽÖÖ Ö                | 100.0         | 100.0                                    | 100.  |

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC JULIA 0-14-5 (OL 1) PHEVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

### CEILING VERSUS VISIBILITY

| 34199  | SIEGENBURG GERMANY GUNNERY RANGE | 68≈70 |
|--------|----------------------------------|-------|
| 5*# "K | 514 01 144                       |       |

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PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-170C

| _  | v a B = T = a*HT = N = £1 |              |                      |      |              |              |          |              |              |                      |                      |                |                    |                      |   |                |
|--|---------------------------|--------------|----------------------|------|--------------|--------------|----------|--------------|--------------|----------------------|----------------------|----------------|--------------------|----------------------|---|----------------|
|  | ·                         | <u></u>      | ≥ ;                  | 2 4  | 1            | ≥.           | <u> </u> | · · ·        | 2 +          | ?                    | ≥ *4                 | 2 5 â          | 2 1                | •                    | = · · · · · · · · · · · · · · · · · · · | →              |
| E TUE NO                                 |                           | 30,0         | 31,8                 | 31.6 | 31.8         | 31 0 8       | 31.3     | 31,8         | 31,5         | 31,5                 | 31,8                 | 31.8           | 31.8               | 31,8                 | 31,6                                    | 31,8           |
| ± 85 <sup></sup><br>± 6 <sup>-</sup> 77* |                           | 36,6         | 38,2                 | 30,2 | 38,2         | 30 .2.       | 30,2     | 30,2         | 38.2         | 36,2                 | 30,2                 | 38.2           | 30 . 2             | 38/2                 | 36 . 2                                  | 35,2           |
| = 4 07                                   |                           | 36,6<br>36,4 | 38.2                 | 38,2 | 39.2         | 38.2         | 38.2     | 35.2         | 30±2<br>38±2 | 36,2                 | 3845                 | 38.2           | 36.2               | 35,2                 | 36,2<br>36,2                            | 30,2           |
| 2 .TI                                    |                           | 39,1<br>37,1 | 40,9                 | 40,9 | 90.9         | 40,7         | 40.5     | 40.9         | 40.9         | 40.9                 | 40.9                 | 40.9           | 40.9               | 40,9                 | 90,9                                    | 90,9           |
| 2 8540<br>2 7000                         |                           | 40,0<br>40,0 | 41.8                 | 41,8 | 41.8         | 41.8         | 41.0     | 41,8         | 41,8         | 41,6                 | 9138                 | 41.8           |                    | 41,6                 | 11,8                                    | 41,8<br>41,8   |
| ÷ 5°                                     |                           | 46.4         | 50.0                 | 20.0 | 50.0         | 97 0 C       | 50.0     | 50,0<br>50,0 | 50,0<br>50,0 | 93,0<br>30,0         | \$0.00<br>\$0.00     | 50,0<br>50,0   | 93,0<br>50,0       | 50,0                 |   | 50.0           |
| 2 42 2<br>— —                            |                           | 51,0         | 50,9<br>58,2<br>60.0 | 58,2 | 50.9<br>58.2 | 56,2         | 5042     | 50 9<br>58 2 | 30 4 2       | 50,9<br>50,2<br>60,0 | 50,9<br>53,2<br>60,0 | 58,2           | 78.2               | 56,2                 | 58.2                                    | 50,0           |
| 2 22                                     |                           | 57,5<br>75,5 | 64,5                 | 65,5 | 65,5         | 65 5<br>85 5 | 65)5     | 65,5         | 6575         | 05/5                 | 6535                 | 6545           | 65,5               | 95,5                 | 95,5                                    | 65,5           |
| 2 2501<br>2 2001<br>2 800                |                           | 83,6         | 92/7                 | 93,6 | 93.6         | 9996         | 49.50    | 93,0         | 99,0         | 93,6                 | 4316                 | 93,0           | 6:62               | 93,6                 | 93.0                                    | <b>99.</b> 6   |
| 2 500<br>                                |                           | 86,4         | 95.5                 | 96.4 |              | 90 64        | 9773     | 97,3         | 97¢3         | 97.3                 | 9793<br>9842         | 9773<br>98€2   | 77#3               | 97#3<br>90:2         | 97.3                                    | 97,3           |
|  |                           | 86,4         | 95,5                 | 99.1 | 99,1         | 99.1         | 100 \$ 0 | 700 ° 0      | 100 F Q      | 100 / 0              | 100 y 0              | 100*0<br>100*0 | 100 €0.<br>100 €0  | 100 to 1             | 00 * 00<br>00 * 00                      | .00 + 0        |
|  |                           | 86,4         | 95,5                 | 9907 | 7901         | 99,1         | 100 to   | 100 g O      | 100°0        | 100 <sub>2</sub> 01  | 00 • 0<br>00 • 0     | 700*0          | 100 g Q<br>100 g Q | 100 ° 01<br>100 ° 01 | 00 ¥ 0                                  | .00ç0<br>.00≠0 |
|  |                           | 50,0         | 99,5                 | 7731 | 9911         | 99.1         | 100 ± 0  | 100 • 0      | 100-0        | 700%0                | 00 ± 0               | 100 to         | 100 × 0            | 100 30 1<br>100 30 1 | 00 ¥0h                                  | 100 ° C        |
| - 4n-                                    |                           | 8010         | 92.3                 | 99.1 | 99,1         | AAPI         | \$00 FU  | LUVeu        | 100.0        | 100.0                | . O D # D            | 100+0          | 500+0              | 100-01               | 0 <u>6 * 9</u> )                        | 190,0          |
|  |                           | 0000         | 9973                 | 99.3 | 44.4         | PPA          | LOUPO    | 100+0        | 100=0        | 100.0                | 400 ± 0              | 10000          | 106+0              | 00.01                | 00,00                                   | 0000           |

OTAL NUMBER OF OBSERVATIONS

110

## CEILING VERSUS VISIBILITY

|                  |      |              |              |              | _            |              |              | OF O              |              | ENCE   |              |                       |              |              | <u>0400</u> | <u>~080</u> |
|------------------|------|--------------|--------------|--------------|--------------|--------------|--------------|-------------------|--------------|--------|--------------|-----------------------|--------------|--------------|-------------|-------------|
| 11 45            |      |              |              |              |              |              |              | \$ ē. Trisa       | p*_": w.     | 5      |              |                       |              |              |             |             |
| -f t *           | ≥ \$ | ≥ ¢          |              | 2 4          | 2.1          | 2.0          | ≥:           | 2 -               | 2.           | ≥      | > %          |                       |              | ≥ 5 .        | ≥ .         | 20          |
| NUTE NO<br>COLLE |      | 30.3         | 32,4         | 40.4         | 91.0         | 39,9         | 41.5         | 41,5              | 41,5         | 49,6   | 43,6         | 45.2                  | 43,6         | 43,6         | 45.2        | 43          |
| \$1.0<br>2.000   |      | 32.4         | 34,6         | 41.5         | 42.0         | 42.0<br>42.0 | 44.1         | 44.1              | 44,1         | 46,3   | 40,3<br>40,3 | 46,3                  | 46,3         | 40,3<br>40,3 | 40,3        | 40,         |
|                  |      | 32.4         | 35.1         | 42.6         | 43.1         | 42 6         | 45.2         |                   | 4942         | 47,3   |              | 47 63                 | 47,1         | 47,3         |             | 47,         |
|                  |      |              | 36,7         | 45.2         | 44,7         | 45.7         | 47.9         | 67.9              |              | 50,0   | 30,0         | 50.0                  | 50,0<br>50,0 |              | 30.0        | 50,         |
|                  |      | 35.1         | 37,8         | 46.2         | 36.B         | 46.8         | 48.9         |                   | 48,9         | 51.4   | 21.1         | 51.1                  | 5111         | 51,1         | 211         | 91          |
| _ 6<br>≥ 3.1.    |      | 39.4         | 38,8<br>42,0 | 50           | 77,9         | 5111         | 53.2         |                   | 20°0         | 52,1   | 59.3         | 52,1                  | 55,3         | 55,3         | 39.3        | 55          |
| - 3°<br>- 4      |      | 39.4         | 42,0<br>42,0 | 50,5         | 31.1         | 51.1         | 99.2         | 5562              | 59,2         | 55)3   | 55,3         | 35,3<br>55,3          | 55,3         | 55,3         | 25,3        | 55<br>55    |
| ± 3000<br>± 3000 |      | 39,4         | 92,0<br>42,0 | 50.5<br>50.5 | 33.1         | 51,1         | 55.2         | 59,2              | 53,2         | 35,3   | 55/3         | 55,3                  | 55,3<br>55,3 | 24,3         | 95,3        | 55          |
| ± 55±0<br>≥ 2000 |      | 46,9         | 50,0<br>52,1 | 24.0         |              | 61,7         | 65.5         | 61,7<br>67,0      | 67.6         | 6977   | 6977         | 69.7                  | 60,7         | 69.7         | 69,7        | 69          |
| ± 640<br>2 500   |      | 59,2         |              | 69.1         |              | 68,5<br>68,6 | 7329         | 79.0              | 69/7<br>74,5 | 7636   | 76.6         | 7195                  |              | 71,5         | 70.0        | 76          |
| = ===            |      | 55.7         | 37.4         | 71,8         |              | 72 ¢ 3       | 79/7         | 80,3              | 8079         | 60,9   | 91.5         | 9155                  | 71,5         | 91,5         | 9           | 91          |
| ≥ 900<br>≥ 900   |      | 9997         | 50:0         | 73,6         | 73.9         |              |              | 91,9              | 80,9         | 8658   | 93.1         | 99.1                  | 91,9         | 93,1         | 93.1        | 73          |
| 2 -5.<br>2 622   |      | 26,3<br>54,3 |              | 73.4         | 73.9         | 73,9         | 8073         | 81,9              | 62/9         | 9630   | 100 m        | 7391<br>93:1          | 99,1         | 99,1         | 109         | 95          |
| ≥ °00<br>≥ 405   |      | 55.0         | 59.0         | 79:5<br>74:5 | 75,0         | 79 0         | 10000        |                   | 69,3         | 92.0   | 97,3         | 97 <i>9</i> 3<br>9723 | 97.3         | 97.3         | 20.9        | 0.00        |
| ≥ 200<br>≥ 200   | -    | 200          | 59.0         | 74.5         | 75,0<br>75,0 | 75.0         | 01#9<br>01#4 | 83 <sub>4</sub> 0 | 88.3         | 45 ° Q | 67.0         | 97,9                  | 97,3         | 9772         | 75 of       | 100<br>700  |
| ≟ '-0<br>≥ ĉ     |      | 55           | 59.0         | 79.5         | 75+0<br>75+0 | 75 ¢ 0       | 8100         | 69,0<br>69,0      | 03/5         | 92.0   | 97.3         | 97.7                  | 97.3         | 97.5<br>97.9 | 48 *        | 000         |

USAF ETAC JULE 0-14-5 (OL 1) PRE- CUS ED TONS OF THIS FIRM ARE OBSOLETE

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#### CEILING VERSUS VISIBILITY

34199 SIEGENDURG GERMANY GUMNERY RANGE 68470

PERCENTAGE FREQUENCY OF OCCURRENCE

(FROM HOURLY OBSERVATIONS)

0800=1100

V S 8 , "Y S ATL" E M , ES 2 11111 30,3 50,3 50,3 39,3 53,3 33,3 59,3 53,3 54,9 54,9 59,0 59,0 59,0 59.0 59.0 59.0 59.0 61.5 61.5 61.5 61.5 01.5 42.1 ≥ 350° 2 300° 64,00 69,7 71,3 71,5 71,0 71,8 71,8 71,8 71,8 71,8 71,8 71,8 78,5 76,8 73,9 77,0 77,4 78,5 76,5 76,4 60,5 82,6 82,6 84,1 84,1 71,8 71,8 76,5 76,5 70,5 83.6 85.0 88.7 90.0 9X.8 9929 9929 95.4 00,2 95,4 90,8 92,8 92,0 93,4 73,5 73,4 73,4 19,5 70,5 90,8 58,7 90,8 90,8 98,5 98,5 98 70,8 90,8 92,8 90,8 90,8 93,8 9010 9419 9714 9818 9818 88,7 
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TOTAL NUMBER OF OBSERVATIONS

195

JSAF ETAC JULE 0-14-5 (OL 1) PREVIOUS ED TIONS OF THIS FORM ARE OBSOLETE

## CEILING VERSUS VISIBILITY

SIEGENBURG GERMANY GUNNERY RANGE 68-70

- 58. T STATUTE MUES

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

1200-1400

|                  |          |      |      |         |          |                 |              |           |               | -                |                 |         |         |                  |           |                  |
|------------------|----------|------|------|---------|----------|-----------------|--------------|-----------|---------------|------------------|-----------------|---------|---------|------------------|-----------|------------------|
| F: E* "          | <u> </u> | ≥ 6  | 2.5  | ≥ ₄     | ≥ 3      | 21-             |              |           |               |                  |                 | ≥ : :   | 2 7     | ≥ 5 ·            |           | 2.5              |
| Q 05 NO          |          | 38,9 | 36.9 | 40.0    | 40.0     | 40.0            | 40.0         | 40,C      | 40-0          | 60.0             | <b>Δ</b> Ω - Ω: | A0 - C  | A0.0    | 40 n             | 40.0      | <del>\$0</del> . |
| 2 20000          |          | 41,1 | 41.1 | 42.1    | 42.1     | 42.1            | 42.1         | 48.1      | 62.1          | 42,1             | 42.1            | 42,1    | 42.1    | 42,1             | 42.1      | 42.              |
|                  |          | 41,1 | 41.1 |         | 42.1     |                 | 46,1         | 42.1      | 92,1          | 42.1             | 9801            | #2,1    | 4217    | 42,1             | 72.1      |                  |
| 2 6000           |          | 41.1 | 41,1 | 42.1    | 42,1     | 42,1            | 42.1         | 42.1      | 42,1          | 42,1             | 42,1            | 42.1    | 42.4    | 42,1             | 92,1      | 92,<br>42,       |
| 2 4000           |          | 41,1 | 41,1 | 92.1    | 92.1     | 42.1            |              | 92,1      | 98,1          | 92,1             | 92,1            | 42,1    | 9241    |                  | 72.1      | 72,              |
| 5 2000           |          | 42,6 | 42.6 | 49,7    | 93.7     | 49;7            | 49,7         | 49.7      | 43/7          | 43.7             | 49.7            | 43.7    | 43.7    | 42.7             | 99.7      | 99.              |
| 2 ::::           |          | 43,2 | 49,2 |         | 64,2     | 44.2            | 44.2         | 44.2      | 64.2          | 66.7             | 66.2            | 44.7    | 64.5    | AA - 9           | 24.5      | AA               |
| <u>≥ 9000</u>    |          | 4497 | 44,7 | 45,8    | 45,ĝ     | ' <b>♦</b> ₽₹₽: | 95.9         | 45 a 5    | 49.8          | 45.0             | 45.8            | AB.8    | 45.Bi   | 45 . B           | 45.8      | AB.              |
| ≥ 8~00           |          | 49,9 | 48,9 | 56, :   |          | 70 t V          | 70#9         | 1 50 50   | <b>20</b> €0! | 30 . O           | 30.0            | 50.0    | 50. N   | 50-0             | 30.0      | 50,              |
| 2 7000           |          | 40,9 | 48,9 |         | 20,0     | 50.0            | 50 A A       | 1 20 PO   | 20.0          | 20.0             | 50.0            | 90 a O. | 70 ± 0: | 90.0             | ាស្ត្     | 50.              |
| ≥ K              |          | 40,9 | 94.9 | 20.0    | - 20 e O | 30±0            | <b>20</b> €0 | ; 50.0i   | 20.0          | 20,0             | 50,0            | 50.0    | 50 + C  | <del>\$0,0</del> | 20.0      | 50.              |
| ≥ 50°0<br>       |          | 22.0 | 22,0 | 58.7    | 53,7     | 53,7            | 294 (        | ' 35 e fi | 2367          | 23.7             | 23.7            | 53,7    | 53.7    | 53,7             | 23.7      | 53.              |
| 2 450u<br>2 4010 |          | 52,0 | 52,0 | 22.97   | 59,7     | 53/7            | 2377         | 53,7      | 53,7          | 59,7             | 23,7            | 2367    | 23,7    | 33,7             | 23:7      | 59 s             |
|                  |          | 25,6 | 53,2 |         |          | 54.2            | 34.2         | 36,2      | P992;         | 29 6 2:          | 79,2            | 54.2    | 54,2    | 54,2             | 54.2      | 54,              |
| 1 13.1<br>1 27 1 |          | 23.2 | 33.2 |         |          | 2942            | 29,2         | 24.2      | 24.2          | D9 2             | 29 € 2          | 54.2    | 54×2    | 24.2             | 2412      | 34.              |
|                  |          | 54,7 | 54,7 |         |          |                 | 35,6         | 55,0      | 55,8          | 5578             | 55,0            | 55,0    | 55,8    | 55,0             | 95,0      | 55,              |
| ≥ 3500<br>2 33 3 |          | 7627 | 72,3 | 77.4    | / [ g 4) | 77,49           | 1116         | 77,4      | 77,4          | TIPE             | 7709            | 77.54   | 77,4    | 77,9             | 7704      | 770              |
|                  |          | 82,6 | 63,7 |         | 86)8     |                 | 85,8         | 05.6      | 5515          | 9578             | 55,5            | 65:5    | 69,8    | 85,5             | aş, 5     | 85,              |
| 2 6.7<br>≥ 5.1   |          |      | 7 60 | 05.8    | 65.0     | 00 \$ 91        | 0049         | 05 e 6    | 55,5          | 92,5<br>92,6     | 85 p 5          | 55 5 5  | 85,8    | 85,8             | 05,0      | 65,              |
|                  |          | 00.0 | 86.9 | E A A A | 92.5     | 92.0            | 92.5         | ARSO      | A820          | ASA              | 7440            | 4340    | 92,0    | &5ª0             | 92.6      | 92.              |
| 2 :::            |          | 87,6 | 09.6 |         | 9918     | 9472            | 7776<br>64.6 | 97,9      | 7625          | 7972             | 72.5            | 1993    | 79+2    | 7932             | 79/2      | 994              |
|                  |          | 87.6 | 84.5 | A34X    | 9447     | 947             | 6414         | 3 9 6     | 7 ( g 7 ;     | 7765             | 7799            | AAADI   | AASP    | AAAA             | 34.5      | 770              |
| 3 9.1<br>1 9.1   |          | 7.4  | 69.5 | 95.7    | 62.3     | 9947            | 97.3         | 98.4      | OS A          | 7793             | 777P            | ALPR    | 77.0    | 44.45            | 1775      | AA               |
|                  |          | 67.4 | 89.5 | 19.7    | 93.2     | 61.5            | -07-4        | - 08 - 61 | OR LAN        | ivvsvi<br>Inconi | NASAN           | . V V V | tankah  | 00.01            | , QQ * QH | 00               |
| ∠ ⊺∷:<br>≥ 6%    |          | 87.4 | 69,5 | 99.7    | 93,3     | 6715            | 97.4         | 90,4      | 68.A          | LAN AR           | COLOR           | AAAA    | VOFU    | O O              | CAPOR     | 001              |
| <u> </u>         |          | 07,9 | 09/3 | 9947    | 65.8     | 95.9            | 97.4         | V6 + 4    | 98-A          | AA&AP            | VALAR           | AALN    | .vo.v   | 00205            | .ug • 01  | 00.              |
| ≥ 400            |          | 87.5 | 89/5 | 93.7    | 95.3     | 95.3            | 97.4         | 4.4       | GA LA         | 00-00            | AAP VI          | VA TO   | 100.0   | AA A             | YUNU!     | 900              |
| 2 ,50            |          | 67.4 | 09.5 | \$3.71  | 95 - 31  | 99-3            | 97.4         | 98-6      | GRIAN         | CUTV.            | NU-L            | NO.     | 100.5   | AND N            | VUFU      | VQ e             |
| ≥ 205            |          | 97.9 | 89.5 | Q427    | 95 k 91  | 95.3            | 97.4         | \$ . Ai   | en.A          | AAAA             | 40-40<br>445-04 | VALAR   | NO-V    | ADSO!            | A01.0     | VQ.              |
| <br>2 60         |          | 37.5 | 89.5 | 99.7    | 90.3     | 95.2            | 97.5         | 90 # 4i   | CHLAN         | <u>UUSUU</u>     | VUTUS<br>AAPAR  | AALA    | HALLA   | AA WA            | UOFO      | VQ.              |
| 2 00             |          | 37.4 | 8945 | 49.7    | 95.5     | 95.9            | 97.4         | 98,4      | OS.AR         | VOTV             | AAPAH           | ON THE  | AABAH   | PERBY.           | AN THE    | Añ.              |
|                  |          |      |      |         | -तम्ब    |                 | * ! ! 7      | 2004      | . A & 4.      | FALAR            | CALA            | AAAOU   | vo ≢ Qµ | OOVO             | 00 €0 J   | 00+              |

#### CEILING VERSUS VISIBILITY

34199

SIEGENBURG GERHANY GUNNERY RANGE 68-70

1500-1700

7 - L

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

VISION STATUTE MILLS 22 2 . 20 20 25 24 20 20 23 258 25 256 24 64, 4 65, 7 68, 1 8u\_ 50° ≥ 6∷ پرد ځ 2 500 ≥ 200

135

## CEILING VERSUS VISIBILITY

SIEGENBURG GERMANY GUNNERY RANGE 68-70

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS.

5<del>650-086</del>5

| -                                     | <u>.</u> * • | 2.5          | ٠, -     | <i>:</i> - |        |         | <u> </u> | 2 .                 | 2            | ≥ %     | 2:5               | <u> </u>       | : · ·         | 2.            | -<br>-       |
|---------------------------------------|--------------|--------------|----------|------------|--------|---------|----------|---------------------|--------------|---------|-------------------|----------------|---------------|---------------|--------------|
| N. 1 N. 1                             | 12.2         | 13,3         | 19,4     | 21.1       | 21.1   | 21.7    | 26,4     | 24,4                | 28,9         | 28,9    | 28,9              | 28,9           | 25.9          | 25.9          | 25.9         |
|                                       |              | 1000         | EU a U   | 6.41       | 4111   | 2616.   | 23.0     | 22.0                | EY # 6:      | Z¥.4:   | 29-4              | 29.A           | 38 °F         | 29,4          | <b>39.</b> 4 |
| 2 B TT<br>2 E TT                      | نكوكيا       | 13,5         | 20.0     | 21.7       | 21.7   | 22.2    | 25.0     | 25.0                | 29.4         | 29.4    | 20.4              | 29.4           | 29,4          | 29,4          | 29,4         |
| <del></del>                           | 12.2         |              | 40 + 0   | 21.1       | 23.1   | 22.2    | Z3 • 0°  | 25.0                | 29.4         | 29.4    | 29.4              | 29.4           | 29.4          | 4,95          | 29,4         |
| ≥ 4***<br>≥ 4:**:                     | 12.2         |              | 20.0     | 21,7       | 21.7   | 22 - 5  | 25.0     | 55.0                | 29,4         | 56.4    | 29.4              | 29,4           | 29,4          | 29,4          | 29,4         |
|                                       | 1506         | 19,3         | 40.0     | 21.7       | 21.    | 2212    | 29.0     | 22.0                | 29.4         | 29 - 4  | 29 - 4            | 29.4           | 29,4          | 29.4          |              |
| ≥ 0000<br>≥ 9000                      | 12,6         |              | 21,1,    | \$2.6      | 22,0   | 2900    | 26,7     | 26,7                | 31.7         | 31,7    | 31,7              | 31,7           | 31,7          | 31/7          | 31,7         |
|                                       | 12.8         |              | <u> </u> | 62.6       | 22,8   | 2363    | 20,7     | 26,7                | 31.7         | 31.7    | 31.7              | 51.7           | 7             | \$1.7         |              |
| ≥ 8.01<br>≥ 7000                      | 13,3         |              | 2502     | 23,7       | 23,7   | 2977    | 27,8     | 27,8                | 32,8         | 32,8    | 32,8              | 32.6           | 32,8          | 42,6          | 32,8         |
| — - —— - <u> </u>                     | 13,3         |              | 66461    | 2337       | 23.7   | 74 × 4! | 27.0     | 77.A                | 32.8         | 32.5    | 37.5              | 32.E           | 32.8          | 32.8          | 32,8         |
| 2 6.00<br>2 5.00                      | 10.0         | 17.2<br>17.2 | 22.5     | 23,7       | 63 · A | 29 19   | 27,8     | 27,8                | 32.8         | 32.8    | 32,5              | 36.7<br>36.7   | 32,5          | 42.6          | 32,3         |
|                                       | 1 A . V.     | 1106         | 29 841   | 20.1       | 20.1   | 50.     | 31.1     | 31.1                | 35.7         | 36,7    | 36,7              | 36.7           | 26,7          | 36.7          | 36.7         |
| ≥ 4511<br>_ 4515                      | 1777         | 1102         | 20,41    | 20,1       | 20 1   | 76;7°   | 31,1     | 31,1                | 36,7         | 36,7    | 36,7              | 36,7           | 36,7          | 36,7          |              |
|                                       |              |              |          |            |        |         |          |                     |              |         | 41.1              | 41.1           | 41,1          | 41.1          | 41.1         |
| 3 1111                                | 10,7         | 17.7         | 6150     | 30.0       | #0+0.  | 3141    | 35,6     | \$5 <sub>0</sub> 01 | 91.1         | 41,1    | 91,1              | 41.1           | 41,1          | 31.1          | 41,1         |
|                                       | 10,1         | 17,4         | 67,5     | 30,0       | 30,0   | 31.1    | 33,0     | 35,5                | 41.1         | 41)1    | 4111              | 4111           | 4101          | 9111          | 41.1         |
| - 6<br>#                              | 22,2         | 64 b A:      | 32,0     | 37,2       | 3742   | 2002    | 42,0     | 92,5                | 49,4         | 49,4    | 47,4              | 40.0           | 49,4          | 49,4          | 49,4         |
| -                                     | 25,6         | 20 93        | 27 44    | 41.7       | 33.77  | 9965    | 47,8     | 49,4                | 60.0         | 60,0    | 60,0              | Ø <b>∉0</b> 6  | 60.0          | 60.0          | 60,0         |
| ≟ BC<br>Am                            |              | e y 9 0      | 93 6 3   | 9197       | 7311   | ******* | 91.0     | 44.46               | 9020         | DU20    | enice             | 90 - 4         | 80 - 6        | 90+0          | 60,0         |
| - * -                                 | 29,6         | 28,3         | 39,41    | 91.17      |        |         |          |                     |              |         |                   |                |               |               |              |
|                                       | 25,0         | 2017         | . 40 * D | 22.5       | 4515   | 351     | 40 4 2   | 20,0                | 00,0         | 9000    | 00 <b>¥</b> 0     | 6010           | 00,6          | 90,0          | \$0,6        |
|                                       | 27,8         | 2615         | 40.1     | 20.0       | 20.0   | 2302    | 30 , 41  | 01/7                | 79,6         | 79,4    | 79 <del>, 4</del> | 7934           | 79岁           | 79, W         | 79,4         |
| = = = = = = = = = = = = = = = = = = = | 25,0         |              | 409      | 3324       | 3797   | 3212    | 27.9     | ORKS.               | 80,0<br>83,3 | 80 t Đị | 2010              | 6015           | 9036          | <b>90 * 0</b> | 56,6         |
| <del></del>                           | 28,3         | 32,8         | 46,7     | 31,94      | 21 1 1 | 35 4 Å: | 34 4     | 9212                | 63,5         | 83,3    | <b>03/3</b>       | 89.3           | 63.5          |               | 61,3         |
|                                       | 25,3         | 2615         | 46,7     | 31.1       | 51+1   | 35.5    | 24.4     | 0515                | 85,0         | 85,0    | 92.6              | 45.6           | 85,6          | 95 g 6        | 85,5         |
|                                       | 28,3         | 32,6         | 46,7     | 7201       | 2717   | 3515.   | 27 # 91  | 0212                | 02 * 0       | 07.0    | 65 f F            | 85 <b>ş</b> Çi | 85 j Q        | 85,6          | 85,6         |
| ≥ 500<br>≥ 400                        | 20.5         |              | 400      | 31,1       | 2111   | 2019    | 27.7     | 02.2                | 67,2         |         | 70 10             |                |               | 1010          | 91.1         |
|                                       | 28,3         | 35.6         | 46,7     | 5977       | 2101   | 2814    | 59,4     | 06,2                | 67,2         |         | 90+0              | 90.0           | 20.0          | 90,6          | 91,1         |
| 2 22                                  | 20,3         | 26,0         | 70.7     | 54.1       | 5112   | 3319    |          | 2242                | 67,2         | 7000    | 7262              | 7.446          | 72,5          | 77/9          | 95,0         |
|                                       | 28,3         |              |          | 51,1       | 31,1   | 7017    | 345      | 1933                | 57.2         | 90 a Ci | 9222              | 9222           | 94 <u>9</u> 4 | 96,7          | 90,3         |
| <u>÷</u> ∓∓                           | 2012         | 34,0         |          | 2 3 3      | 3111   |         | 79       | 05.5                | 87,2         | 70,0    | 4612              | 7656           | 9974          | 70 2 7H       | 00.0         |
|                                       | 25,3         | 32.8         | 90.7     | 51:1       | 3122   | 2511    | 3A 4 6   | 5845                | 87.2         | 40.0    | 92:3              | 23.5           | 9474          | 76,71         | 00.0         |
|                                       |              |              |          |            |        |         |          |                     |              |         |                   |                |               |               |              |

CEILING YERSUS VISIBILITY

34199

SIEGENBURG GERHYNY GUNNERY RANGE

68-70

1 1 1 at 19 v.85

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

0300-116.

181

SIEGENBURG GERMANY GUNNERY RANGE 68-70

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

13(0-140:

| •                        |              |                      |                              | ķ                          | Ē 7 574°. € + €        |                                     |                         |                          |              |
|--------------------------|--------------|----------------------|------------------------------|----------------------------|------------------------|-------------------------------------|-------------------------|--------------------------|--------------|
| net.                     | 2 ^ 25       | ≥                    | 4 2.                         | 2.                         | 2 - 2 -                |                                     | <u> </u>                | 2: 2 4                   | . ·          |
| 1 1 12                   | 29.8         | 30,3,34              | .8 34.8 2<br>.2 38.2 3       | 4,8 34,8<br>8,2 38,2       | 34,8 34,5<br>38,2 36,3 | 24,8 34,6<br>58,2 38,2              | 36.3 34.3               | 34,8 34.6<br>35,2 38.2   |              |
| 2 8777                   | 33,1<br>33,1 | 33,7 38              | .21 38 .2. 3<br>.21 38 .21 3 | 18 2 37 2<br>18 2 31 2     | 38,2 38,4<br>38,2 38,4 | 36,2 38,2                           | 30,2 32,2               | 38,2 38,2<br>38,2 38,2   | 30,2<br>30,2 |
| ≥ 4.1<br>2 ;:::          | 34.6         | 39.4 39              | 19 39 9 3                    | 19 19 39 19                | 37.7 39.9              | 36,3 30,2<br>39,9 39,9              | 39,7 37,7               | 39,9 39,9                | 39,9         |
| ≥ .000<br>≥ ¥00.         | 37.1         | 37,61 42<br>38.21 42 | 37 42.7 4                    | 2.7 42.7                   | 42.7 42.7              | 42.7 42.1                           | 42/7 42/7               | 42,1 42,1<br>42,7 42,7   | 42.7         |
| 2 65 .                   | 39,3         | 40.41 45             | 3 45 5 4                     | 5.5 45.5                   | 45.5 45.5              | 45,5: 45,5<br>45,5: 45,5            | 45.5 45.5               | 45,5 45,5                | 45,5         |
| 2 833<br>2 3.77<br>      | 41.0         | 42.1, 48             | .3 48,3 4                    | 8.3 48.3                   | 48,3 48,3              | 46.3 48.3                           | 48,2 48,2               | 48/3 48.2                | 48,3         |
|                          | 42.7         | 49,8 50              | .0 50.0 5                    | 10.01 50.01                | 50,0 50,0              | 48,0 48,3<br>50,0 50,0              | 50,0 50,0               | 50,0 50,0                |              |
|                          | 45,5         | 50,6 57<br>60,1 71   | .8 52.8 :<br>.3 57.3 :       | 7.3 57.3                   | 57.2 57.3<br>71.9 73.0 | 52,6 52,6<br>57,3 57,3<br>73,0 73,0 | 57#3 57##               | 57,3 57,3                | 57,3         |
| 2 25%<br>2 2000<br>      | 61.2         | \$4.6 7?             | , 3 77, 5 7                  | 17,5 77,5                  | 77,5 70,7              | 7877 7877                           | 78,7 79,7               | 7877 7877                | 78,7         |
| 2 800<br>2 500<br>       | 62,9<br>62,9 | 66,3 79              | , 8 81,5                     | 17.2 97.5                  | 81.5 45.0              | 62,0 8X,0                           | 82 4 42 6               | 12,6 62,6                | 82,6         |
| 2 222                    | 65,2         | 70,2 85              | 4 88,8                       | 8 8 8 3                    | 83.8 53.5              | 92,7 92,7                           | 73,8 73.6               | 92/7 92/7                | 92,7         |
| 2 900<br>2 800<br>—————— | 65,2         | 70,2 86              | .5 89.9                      | 19:39 90:4                 | 90,4 99,8              | 96,1 96,1                           | 98,2 98,2               | 96,1 96,1                | 96,1         |
| 2 655                    | 65,2<br>65,2 | 70,2 86              | ,5 89,9 6                    | 90.4                       | 30 to 54 to            | 98,9 98,9                           | 98,3 99,3<br>100,0100,0 | 96,3 25,3                | 90,3         |
| 2 22                     | 65.2<br>65.2 | 70,2 86              | S BALA                       | 14 4 A A A A               | Anth Adre              | T00+6#2840                          | 700 4 6 4 7 0 9 6 4     | OCACTODEO                | 10010        |
| <u> </u>                 | 05,2         | 70,2 86              | 5 89.9 (                     | 3838, 80341<br>3838, 86341 | 90,4 94 <u>;4</u>      | 100,0100,0<br>100,0100,0            | 100 = 0100 = 01         | 0±002/9±00<br>0±002/9±00 | 100.0        |
| <u> </u>                 | 65,2         | 70.2 86              | 5 99.9                       | 9 90 4                     | 90-4 94-4              | 100-0100-0                          | 100+0100+0              | 100 \$6 200 44           | 100.0        |

TOTAL NUMBER OF DESERVATIONS

178

USAF ETAC ..... 0-14-5 (OL 1) PREVIOUS ED TONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION USAF ETAC AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

|                      | eenet    | JRG GE             | K-ANY          | PUNK           | EKT K         | ANVE         | <b>∮</b> 8 =    | 70                   |                  | E         | 405      |              |                                  | -               |                     | <del>ن</del> |
|----------------------|----------|--------------------|----------------|----------------|---------------|--------------|-----------------|----------------------|------------------|-----------|----------|--------------|----------------------------------|-----------------|---------------------|--------------|
|                      |          |                    |                | PERCE          | NYA 3<br>FROM | E FREC       | QUENÇ<br>LY OB! | Y OF C               | CCURI<br>IONS    | RENCE     |          |              |                                  |                 |                     | -170         |
| _                    |          |                    |                |                |               |              |                 | ± 6 = 1:             |                  | •         |          |              | —                                |                 |                     |              |
| -'                   | <u> </u> | ≥ €                | <u> </u>       |                |               | · .          | ÷ .             | 2                    | 2                | <u> </u>  | ≥ •      | ≥ : 6        |                                  | <br>2::         | ~ ·                 |              |
| . 1 1 · .<br>2 22.1. |          | 38,5               | 30,5<br>45.0   | 38,5<br>45.0   | 30,5          | 38,5<br>45,0 | 30,5            | 38,5<br>45,0         | 38,5<br>45.0     | 35,5      | 38,5     | 38,5<br>43,0 | 38,5                             |                 | 30,5                |              |
| 1 8.00<br>- 600      |          | 45,0               | 45,0           | 45.0           | 45.0          | 45 g O       | 45.0            | 45,0<br>45,0         | 45.0             | 45.0      | 92.0     | 45.O         | 45.0                             | 42.0            | 45,C                | 45.          |
|                      |          | 45,0               | 45,0<br>45.0   | 45,0           | 45.0          | 45.0         | 45 :0           | 45,0<br>45,0         | 45.0             | 49.0      | 95.0     | 45.0         | 45.0                             | 05.0            | 45.0                | 45.          |
| ≥ TIUI<br>≥ 9:::     |          | 47.7°              | 47,7           | 47.7           | 47.7          | 47.7         | 47.7            | 47.7                 | 67/7             | 6777      | 6777     | £7:7         | 47.7                             | <u> ≰7 : 7</u>  | 47,7                | 47,          |
|                      |          | 33,2               | 59,2           | 76.1           | 29.1          | 29:1         | コキョン            | 50.5<br>54.1<br>54.1 | 25.1             | 94.1      | 50.1     | 30.1         | 36.1                             | 54 . I.         | 26,1                |              |
| 2 ettt               | ·        | 56.9               | 20 g 9'        | 37.0           | 54,1          | 57.0         | 57.60           | 57.0                 | 37.A             | 57.5      | 77.3     | 57,0         | 54, i                            | -g              | 59.1                | 54,<br>57,   |
| 2 45 1<br>2 4111     |          | 4613.              | 62.4           | 69.3           | 69.3          | 03.3         | 03,3            | 63.3                 | 611.2            | 03.3      | 69.3     | 68.3         | 63/2                             | A2 - 3          | 84.3                | ÁQ.          |
|                      |          | 0121               | Q   1 1        | 0000           | 00 to 0.      | 0000         | 09 a 0          | 69.2                 | 08 = 5           | - ದಿರ್ವಸ  | AHABI    | ARTRI        | AR.H.                            | 60 j è          | ¢5,¢                | 50.          |
| 25<br>2 25<br>2 1000 |          | 72,5               | - 1.60分がに      | 1512.          | 工员主写:         | 1219         | 1524            | 73.6<br>93.6<br>96.3 | - F-3 a- Si      | (3×6)     | ( ) . Ai | 77.4         | 79.4                             | 75_A            | 79.4<br>99.6        | 79,          |
| 2 800                |          | 7691               | A D + C;       | 70 t p:        | FC+5:         | Abay:        | 90+3            | 70 g 3!              | 70 <b>j</b> 3;   | 70#B      | 70,3     | 90.3         | 70.3                             | 95-3            |                     | 96,          |
| ≛ 501<br>            |          | A3 * 4.            | 93,61          | 40.3           | 98 - 21       | 9872         | 7842            | 98.2.                | 9829             | ·98.27    | 9H 231   | ウェフタ         | <b>Vale</b>                      | CB 35           | 98.2                | 982          |
|                      |          |                    |                | . F 7 F 7 3    | i A A i A i   | inaia.       | 10010           | 100.0                | .00≠0;<br>.00+0. | 100 ° 0:  | .00.0    | .00.0        | 100 + C1                         | .00,02          | .00 <sub>0</sub> 07 | 00.          |
|                      |          | 98 <del>. (1</del> |                | 98.2           | 00.0          | 0010         | OUFU            | 00-00                | (00*0)           | 100 63    | 00.0     | 104 FO       | 100 2 0%                         | DU PUR          | .u0 ∉ 0:/           | QQ g         |
|                      |          | 99,6               | <del>***</del> | 40-5           | 90 - 0        | 100 F O      | 00±0            | 100 a 01             | 00.0             | 100,0;    | 00.0     | :00 ± 01     | 00 ∉0il<br>tonend                | 00,000<br>00.00 | 00 #01              | 00+          |
| > 4^^                |          |                    | 不要多牙           | 49 <u>-5</u> 1 | . Q           | 00.00        | 100 a C         | 100*03<br>100*03     | 00.0             | 100 f 0 f | .00≠C    | 00.00        | (00 <sub>2</sub> 00)<br>(00 - 01 | 00 -03          | 00.0                | 00,0         |
| <u> </u>             | ·        | र ज हु प           | 95,6           | 90.41          | .00+02        | .00 • 0 ·    | COLO            | 00 <u>0</u> 0        | 00.00            | .00.0     | 00.0     | 00.0         | 00,02                            | 00 00<br>00.03  | 00+07               | 00 - 0       |
| <u> </u>             |          | 99,6               | ð₽.∳i          | 96,25          | 00.0          | 00.0         | 00 + 9          | 00,01                | 00.0             | 00-0      | 00.0     | 00.0         | 00 00                            | 00年03<br>40年00  | 06±05               | 00 F (       |

TOTAL NUMBER OF OBSERVATIONS 109

USAF ETAC TON O 14-5 (OL 1) PRES OUS EQ TONS OF THIS FORM ARE DESCRETE

CATA PROCESSING DIVISION JSAP ETAC AIR WEATHER SERVICE/MAC

### CEILING VERSUS VISIBILITY

STEGENAURG GERHANY GUNNERY RANGE 68-70 34199

. <u>5 f P</u>.

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

0<u>600-0€0</u>0

|   |         |       |                  | FRUM         | HOUKE        | , Op2     | ERVA          | IONS    |        |         |         |          |                    |        |               |
|---|---------|-------|------------------|--------------|--------------|-----------|---------------|---------|--------|---------|---------|----------|--------------------|--------|---------------|
|   |         |       |                  |              |              |           | . : *         | <br>    |        |         |         | -        | =                  |        |               |
| -<br><u>-</u>                           | <br>≥   |       | ·                |              | _ • •        |           | ·<br>≥        | <br>2 • |        | <br>2 4 | <br>2:3 | 25       | 2 5 6              |        | ÷             |
|   | 12 0    | 12.1  | 19.4             | 10.1         | 10.1         | 20.8      | 29.8          | 29.4    | 30,6   | 99 0    | 38.5    | 27.2     | 38.3               | 38.8   | 38.6          |
| _ x                                     | 12.0    | 14.8  | 20.2.            | 20.8         | 20.8         | 23.0      | 25.7          | 25.7    | 34 = 4 | 3727    | 39.3    | 91.0     | 42.1               | 42.6   | 42.0          |
|   | 12.0    | 14.8  | 20.2.            | 20.8         | 20.8         | 0.65      | 25.7          | 7,65    | 34,4   | 37;7    | 39.3    | 41,0     | 42.1               | 42,0   | 42,6          |
|   | 12.0    | 15.8  | 20.2             | 20.5         | 20.8         | 25,0      | 25,7          | 25,7    | 34 × 3 | 37,7    | 39.3    | 4: .0    | 42,1               | 42,0   | 42,0          |
|   | 12.0    | 14.6  | 20.2             | 20.5         | 20.8         | 28-0      | 23.7          | 25.7    | 35,0   | 36.3    | 30.0    | 41.5     | 42-0               | 43.2   | 45.2          |
|   | 12.6    | 15.3. | 20.5             | 21.3         | 21.3         | 29.5      | 29.2          | 26.2    | 35 5   | 38,8    | 40.4    | 42 1     | 43.2               | 43.7   | 43,7          |
| ≤ 80<br>≥ 10.0                          | 12.5    | 35.3  | 21.9             | 24.0         | 24.0         | 20,5      | 39.5          | 29,5    | 39,3   | 42,0    | 44.3    | 45,4     | 47,0               | 47,5   | 47,5          |
|   | 13.1    | 19.8  | 23.0             | 25.1         | 25.1         | 27.9      | 31.1.         | 31.1    | 9350   | 44.5    | 45.9    | 47.5     | 48.0               | 49.2   | 49.2          |
| 3 51.1                                  | 14,8    | 17.5  | 27.3             | 29.5         | 29,5         | 32,2      | 35,5          | 35.5    | 45.4   | 40.6    | 50.3    | 51.9     | 53,Q               | 53,6   | 59,6          |
|   | 4.9     | 17.5  | 27.3             | 29,5         | 29.5         | 32.2      | 33,5          | 35,5    | 49,2   | 45,6    | 50,3    | 21,9     | 53,0               | 23,0   | 59,5          |
|   | 15.6    | 19.1  | 29.5             | 32.2         | 32.2         | 36-1      | 39.9          | 39.9    | 49,7   | 53.0    | 54.6    | 20.3     | 57.4               | 57.9   | 37.9          |
|   | 10.0    | 19,1  | 29,5             | \$2.2:       | 32,2         | 30 g 1,   | 91,0          | 41,0    | 51,9   | 55,2    | 50,8    | 20,5,    | 34 <sup>2</sup> 0: | 90.1   | 50, l         |
| 1000                                    | 25 . 2  | 29,0  | 45.2             | 99.2         | 48,2         | 47 g 0    | 57.4          | 57.4    | 72,1   | 75.4    | 77.c    | 70.5     | 79.8               | 80.3   | 72,1.<br>80:3 |
| _ = = = = = = = = = = = = = = = = = = = | 20, 2   | 30,1  | 43.7             | 95,7<br>46,4 | 45,9         | 50:3      | 57.9          | 57,9    | 72,1   | 75,4    | 77.0    | 75.7     | 30,9               | 81.4   | 80,5<br>81,4  |
| <br>: ::                                | 20,5    | 31,1  | <del>99</del> ,5 | 47,5         | 47.5         | 27.54.    | <b>⊕0,1</b> ; | 60°7'   | 74,3   | 80,3    | 93,1    | 34.7     | 02,0               | 96 + 3 | 80,3          |
| ÷                                       | 20 a Fr | 3 , 1 | 44.8             | 47,5         | 47.5         | 51 j 🌣    | 60,1          | 60,1    | 77,0   | 80,3    | 83,1    | 34,7     | 85,8               | 56,3   | 36,3          |
| - 78                                    | 25,0    | 31,1  | 99,5             | 97.55        | # 1 4 5      | 2374      | 60,1          | 00.1    | 77,0   | 50,3    | 83.1    | 04 g 7:  | 05,0               | 00.4   | 8014          |
|   | 20,0    | 21,1  | 59 P             | 9712         | 4/ 17:       | 3 6 6 d i | 900 L         | 00 L    | 77,0   | 88.1    | 84,6    | RESERVED | 89.1               | 9050   | 98,0          |
| 2 200<br>2 400                          | 26,6    | 31.1  | 99,8             | 47,5°        | 47,5         | 21.4      | 60,1          | 40,1    | 78,7   | 84,1    | 80,3    | 88 + Q   | 57,1               | 90:2   | 90,2          |
| - 350<br>≥ 355                          | 26,8    |       | 99,0<br>64,8     | 47,5         | 4742<br>4725 | 21-9      | 60,1          | 60.1    | 76,7   | 83,1    | 86,9    | 84.0     | 91,3               | 92.9   | 95,6          |
| 2 %<br>2 %                              | 20.0    | Alal  | \$() = 0         | 97.5         | 97 : 3       | 2109      | QOs L         | 90e1    | 60,31  | 09×7    | 50.5    | A1 + 3:  | *5.4               | 45.2   | 49.4          |

USAF ETAC 1004 0-14-510L1 PREVIOUS ED TONG OF THIS FORM ARE DESCLETE

DATA PROCESSING DIVISION USAF ETAC AIR \*EATHER SERVICE/MAC

#### CEILING VERSUS VISIBILITY

34199 SIEGENBURG GERMANY GUNNERY RANGE 68-70

SEP

6300-1103

21,5; 20,9; 37,6; 38,7; 44,0; 47,3; 30,0; 50,5;

"OTAL NUMBER OF OSSERVATIONS 186

USAF ETAC TORM 0-14-5 (OL 1) PREVIOUS ED TORS DE THIS COMMINGENERAL PREPARETE

量

DATA PROCESSING DIVISION USAF ETAC AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

34199

SIEGENBURG GERHANY GUNNERY RANGE 68-70

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSER FATIONS

-----

1200-1400

|                 |                      |  |                                   | - 1 ·                                    |  |  |                          |              |
|-----------------|----------------------|--|-----------------------------------|--|--|--|--------------------------|--------------|
|                 |                      |  | -                                 |  |  |  | -                        |              |
|                 | 2 1 2:               | 2 =  | -                                 | 2 .                                      | ± 5 €                                      | 2.5 2.5                                  | 2. • • •                 | <u>*</u> -   |
|                 | 29,5 3               | Q.C 40.3 40.3  | 40,3 41,4                         | 41,4 41,4                                | 41.4 41.4                                  | 41.4.41.4                                | 41.4 41.4                | 41.4         |
| ÷ •             | 39.2 A               | 8.7 51.1 51.1  | 5111 5212                         | 36*6 32*2                                | 32.7 32.7                                  | 97.7 57.7                                | . 22.2 72.2              | 52.2         |
| = -             | 39.2: 4              | 5.7 51.1 51.1<br>5.7 51.1 51.1                                   | 2012                              | 92,2 92,2<br>92,2 52,2                   | 7242 7232<br>8220 4320                     | 52,2 52,2                                | : 22,2 22,2              | 32,Z         |
|                 | 39,2:4               | 7.7 71,1 71,1  | 2772 1416                         | <b>52.2.52.2</b>                         | 52.2 52.2.                                 | 59.7 57.7                                | 57.7 59.7                | 52,2         |
|                 | 39,2: 4              | 5,7 51.1 51.1  | 21:1 22:2:                        | 32,2 52,2                                | 5232: 52.2                                 | 52,2 52,2                                | . 52.2 52.2              | 32,2         |
| 2 v.1           | 45, ¢1 ¢             | 7,3: 73,2: 53,2:   | 56.29 55.4                        | 54,3 54;3.<br>55,4:53;4.                 | 551A. 551A.                                | 54,3. 54,3                               | : 55.A. 59.A             | 59,7         |
| 2 E             | 42,5.4               | 9,5' 55,4 55,4   | 35.4 30.5                         | 50,5: 50,5;<br>50,1: 50,1                | 50,5 30,5                                  | 56,5: 50,5                               | 30,5 25,5                | 30.5         |
|                 | 45,515               | 0.29'57.0:57.6   | 57.0 56.1.                        | 50,1 56,1                                | 50,1 50,1                                  | 58.1. 58.1                               | 56,1 50,1                | 54,1         |
| ± 61<br>: -     | 70;2:3:46.2:5        | 0,5 57,0 57,0<br>5,9 64,5 64,5<br>1,9 64,5 64,5<br>1,5 64,7 64,5 | 57.0. 50.1,<br>6415 65.6          | 50.1, 50.1,<br>68.6, AS.A                | 50 1. 50 1.<br>AR A. AR                    | 50,1, 70,1                               | 55,1. 56,1               | 79.1         |
|                 | 40,21 5              | 0,9 04,5 04,5  | 04:5: 05:0                        | 65:5: 55.6:                              | 05 an 05 an                                | 0-50 0-50                                | 1 03 9 4 45 40           | 0310         |
|                 | 40,2: 5              | 6,5 66,7 66,7  | 66.7 69.6                         | 6934: 6934:                              | 69,4 69,4                                  | 69.4 69.4                                | 69,4 69,4                | 69.4         |
| 2               | 40 g p. 5            | 10 07,2 97,2<br>98 73,1 73,1                                     | 97.2 70.4                         | 70,4 70,4                                | 70,4 70,4                                  | 70:4 70:4                                | 7004 1014                | 70.4         |
|                 | 55.9 6               | 737 9238 4236  | 1991 1998.                        | 0000 0000<br>1000 1000                   | 1047 1047<br>86-8 86-8                     | 76:9' 76:9                               | 70/9 76/9                | 70,9         |
|                 | 58,51 7(             | 394, 65251 91°F  | 57:7 A0:2                         | A3*A: A03A.,                             | Walf Galf                                  | 91.4 71.4                                | 91-4 91-4                | 91.4<br>91.4 |
| 2 85.<br>2 301  | 55 6 7<br>86 1 9     | FRA GEFA GARS  | 5110 1417                         | Wise Wise.                               | 9129 <b>9</b> 129                          | - 10 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 | 21.00.01.01              | <b>63</b> -  |
|                 | 59,1.7.<br>39,1.7.   | 26 66,7 90,2   | Yyşp Faşə:<br>Gr.A. Ga.a.         | Yest Aest                                | 46 <sup>2</sup> 0: 46 <sup>2</sup> 0:      | 76,0 76,6                                | 94,6 94,6                | 94,5         |
| 2 117           | 59,1 7               | 1 80,5: 92,5   | 92.5 98.7                         | 76:2: 96:2:                              | 96:8: 96:81                                | 77// 72//                                | 7257 7217:<br>96:8 96:8: | 95.7<br>95.8 |
| 5               | 59,1. 7.<br>59,1. 7. | 10 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0                           | 92,5 95,7                         | 9012 5022                                | 97.8 97.8                                  | 778 97.0                                 | 1770 1770                | 97.5         |
|                 | 39,1 7               | 90,3 89,1  | 上写在气. 6点点点。                       | ¥ # # #                                  | 30 4 7° '34 4 5°                           | '42 <i>6</i> 41 48541                    |                          | <b>92.</b> 2 |
|                 | 59,1 7               | * 7 60*3, 64*T   | \$6,1 99,3                        | 97.8 97.83                               | 00,000,00                                  | 001010010                                | 1001010010               | 100±0        |
|                 | 7714. /              | 70,3 94,1  | 9911 9712                         | 97.0 97.01                               | 00 50 50 50                                | 0400400                                  | 1007010070               | CAKO         |
|                 | 5911 71<br>5911 71   | 141 9078 9411<br>141 9073 9474                                   | 77)1 7/ <i> 2</i> :<br>06:1-07:2- | 77:01 77:88<br>69:0:00                   | 00 ¥ 00 00 ¥ 0ij                           | 001010000                                | 100 \$01200 \$01         | 100,0        |
| _ <u>\$</u> === | 56° 11 91            | }\$  YO#E Y99b.  |                                   | 9718 97 <u>*</u><br>9718 97 <del>*</del> | 6 <u>0</u> 46 <u>700</u> 400<br>CALABOALOR | 60*0260*0<br>60*0260*0                   | 00,0100,0<br>100,0100,0  | 00 F 0       |
|                 | 59.1 7               | er Ants Ashr   | 941 9748                          | 9718 9778<br>9718 9778                   | ひさき ひき ひひき ひげ                              | OU + ULTUU + U                           | £00*0±00                 | 10.0         |
|                 |                      |  | 7 - 1 - 3 - 1                     |  | A-4-50A4A                                  | AAAAISAASA                               | enning this              | AAAA         |

196 "OTAL NUMBER OF OBJERVATIONS......

USAF ETAC TOTAL O 14-5"Outh PRE obstorious of this for the casolete

DATA PROCESSING DIVISION SAS ETAC AIR MEATHER SERVICE/MAD

CEILING VERSUS VISIBILITY

34199 STEGENBURG GERMANY GUNNERY RANGE 6EM70 2 2 2

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOUPLY OBSERVA" DNS

1100-1700

UPAR ETACO TINTO TO SE SI OUT I PROTO SI STORE TERRORISMONIES

CATA PROCESSING DIVISION USAF ETAC AIR WEATHER STRVICE/MAC

## CEILING VERSUS VISIBILITY

34199

SIEGENBURG GERHANY GUNNERY RANGE 68-70

- <u>CCT</u> .

PERCENTACE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS:

2603-0600

| f Ngg<br>Agan      |                   | _           |       |              |                  | *                | 10,70      | 'A', ' ' ' | ts           |               |              | -      |       | -            |              |
|--------------------|-------------------|-------------|-------|--------------|------------------|------------------|------------|------------|--------------|---------------|--------------|--------|-------|--------------|--------------|
| 2                  |                   | <i>;</i> ;  | 1.4   | ; <b>1</b>   |                  | `.               | · >        | 2 .        | 2            | ≥ .           | ≥ . 5        | ≥ .    | 2:.   | -            | • .          |
| \$ "               | 3.1<br>4.2        | 4.2         | 6.8   | 4.7          |                  | 4:7              | 7.3        | 7.3        | 5,8<br>9,4   | 7,3           | 7,9<br>10,5  |        |       | 9,9          | 9,9          |
| : <u>:</u> : -     | 4,2               | 9.2         | 6.0   | 6.8<br>6.5   |                  | 0 , 0<br>8 , 0   | 7,3<br>7,3 | 7.3        | 9,4          |               | 10.5         | 12:0   | 12.0  | 13.1         | 33,7         |
| * w. *             | 4,2               | 6,2         | 6 , 8 | 6,8<br>5,8   | 6,5              | 5 ¢ 8            | 7.3        | 7.3        | 9,4          | 9,9           | 10.5         | 12.0   |       | 13.1         | 13.1         |
|                    | 4,2               | 4.7         | 7.3   | 6,8<br>7,3   | 7.3              | 6 e 8            | 7,3        | 7.9        | 9,4          | 9;9<br>10:5   | 10,5         |        | 12,0  | 23,1         | 13.1         |
| <u> </u>           | 6,3<br>6,3        | 6,3         | 9.4   | 8,9<br>9.4   | P 4              | 9 9              |            | 9.9        | 12.0         | 10,4          | 13.1         | 1447   | 14,7  | 15.7         | 15,7         |
| - <del>-</del>     | 5 . B             | 0.8         |       | 10.5         | 10.5             | 12.0             | 15.1       | 13.1       | 1000         | 15.7          | 10.2         | 17.6   | 17,8  | 19,4         | 19.4         |
| 2 A.<br>- 40.4<br> | 6 g<br>7 g 9      | 7,0         | 11.0  | 10,5<br>11,5 | 11,5             | 12,0             | 19:1       | 10.1       | 15,2         | 15,7          | 19:2         | 16,8   | 17,0  | 20,4         |              |
| 2 3 3 2 2 2 2      | 8,4               | 0,4         | 11.5  | 12.0         | 12,0             | 1977             | 19,7       | 19,7       | 6.05         | 19,4          | 17,5         | 21,5   | 14.4  | 40,9         | ₹0,9<br>23,0 |
| - 15 .<br>2000<br> | 14 <sub>0</sub> 1 | 1892        | 19.4  | 1072<br>20.4 |                  | 29,0             | 26,7       | 26:7       | 32,5         | 34,0          | 5002<br>0,00 | 30.0   | 20,3  | 29,8         | 29,5         |
| £ 850<br>± 507     | 14.1<br>18.8      | 15,6        | 25,1  | 20,e<br>27,2 | 27,2             | 20,0             | 35,6       | 30.0       | \$2,5        | 34,0<br>44,5  | 39.0         | 96, cl | 30 40 | 2,58         | 35,2<br>49,3 |
| 2 Aug<br>2 Cu      | 10,8              | 1434        | 29.3  | 31,9         | 31,4             | 37,7             | 35,0       | 40.8       | 40.7         | 51,0          | 901          | 24,5   | 44,2  | 20.3         | 50,5<br>56,5 |
| ≥ 900<br>≥ 800     | 19,0              | 7.9 . 5     | 30,9  | 12,5<br>33,0 | 32 , 5<br>33 , 0 | 39,2             | 41,4       | 49,5       | 51.0         | 72,9<br>58,0  | 23,4         | 17.0   | 35 62 | 97,0<br>99,7 | 57,6<br>59,7 |
| ≥ 766<br>≥ 606     | 10,0              | 14.44       | 30,9  | 93,0<br>98,0 | 33;0<br>38;0     | 3793             | 43.4       | 49 , 5     | 59,4         | 55,0          | 35,5<br>59,2 | 37,6   | 37,60 | 59,7         | 59,7<br>63,4 |
| ≥ 500<br>≥ 160     | 1974              | <b>30,9</b> | 31.4  | 33,3         | 33,5             | 90 r g<br>40 r g | 42.Y       | 95,Q       | 55.50        | 01.0          | can4         | 95,5   |       | 7:42         | 71,2<br>79,4 |
| ≥ 300<br>≥ 200     | 19.4              |             | 31.4  | 33,5<br>33,5 | 33,5             | 40,8<br>40,8     | 42,9       | 45,0       | 99,5<br>99,5 | 63,4          | 60,0         | 70=2   | 70/7  | 19.0         | 02,2<br>90,1 |
| ≥ 00<br>≥ 0        | 19.4              | 20,9        | 31,4  | 33,2<br>33,5 | 23 g 5<br>82 g 5 | 40 g g<br>40 g g | 42,9       | 90.0       | 55,5<br>55,5 | 04,60<br>4,60 | 67,C         | 70,2   | 70,7  | 93°07        | 94,2         |

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DATA PROCESSING DIVISION USAF STAC AJR REATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

34199 SIEGENBURG GERMANY GUNNERY RANGE 68-70

UCT

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| 5-                  |        |       | v     |            |       | -          |                  | \$ 2 . 5 . 5 . | A            | \$                   |              |              |              |              |              |          |
|---------------------|--------|-------|-------|------------|-------|------------|------------------|----------------|--------------|----------------------|--------------|--------------|--------------|--------------|--------------|----------|
|                     | 2 ¢    | 2 6   | ÷ :   | <u>:</u> 4 | ₫.    | <i>:</i> . | <b>?</b> :       | ÷ .            | : .          | 2                    | ž •,         | 2 3 5        | <u>.</u>     | 200          | -<br>-       |          |
| 2 (F. N.)<br>2 2.01 |        | 6,2   | , 917 | 19.3       | 13.9  | 15.9       | 12,8             | 14,4<br>20.0   | 24,4         | 16,4                 | 22.1         | 16.6         | 16.4         | 16,4         | 10.4         | 16       |
| 2 5<br>2 50         |        | 8,2   | 9.7   | 13.3       | 13,9  | 15.9       | 17,9             | 20 y 0:        | 20-0         | 22.1                 | 55.1         | 22,1         | 23.1         | 22.1         | 42.1         | 22       |
| 2 40<br>2 7         |        | 8,2   | 9.7   | 13,3       | 10.9  | 19,9       | 17.9             | 20.0           | 20,0         | 22,1                 | 44.1         | 2Ze 1.       | 22.1         | 23.1         | 22,1         | 22       |
| ≥ +0000<br>≥ 9.00   |        | 9,7   |       |            | 10.9  | 16,9       | ₹9.0             | 21.0           | 22.1         |                      | 20,1         | 23.1         | 20.1         | 25,1         | 24.1         | 23       |
| ≥ 8000<br>≥ 7000    |        | 10,3  | 13.3  | 16,4       | 19,0  | 19.0       | 21.0             | 23,1           | 23,1         | 22.1                 | 25,1         | 25.1         | 25,1         | 1,65         | 25,1         | 77       |
| 2 65°<br>2 5 .`     |        | 10,3  | 12,3  | 4 F . O    | 21,5  | 3 15       | 29.1             | 29,2           | 20.2         | 29.2                 | 20,2<br>20,2 | 2472         | 2002         | 25,2         | 20,2         | 28       |
| 4°<br>≤ 4° -        |        | 10,3  | 12,0  | 19.0       | 21,5  | 21,5       | 2471             | 26.2           | 27.2         | 29.2                 | 29,2         | 39,2         | 29.2         | 29.2         | 27.2         | 29       |
| - 3°-<br>- 3°-      | · —- — | 12,6  | 19,9  |            | 29,0  | 9.0        | 2747             | 27.2           | 30,4         | 33.3                 | 3508         | 33,2         | 39.3         | 37,4         | 37,4         | 33       |
| ± 2>.<br>≥ 1010     |        | 17.4  | 27,5  | 27.7       | 37 9  | 21 - 6     | 95 é é<br>40 é 5 | QB 13          | 39.5<br>45.1 | 99,1                 | 95.1         | 9812         | 9331         | 4977         | 9311         | ÷ g      |
|                     | -      | 20,5  | 23,0  | 31,5       | 33,7  | 80.5       | 90 = 2           | 40 0           | 95.0         | 49,7                 | 50,3         | 30-3         | 30,3         | 50,3         | 20#3<br>60#0 | 50       |
| <br>                |        | 22.1  | 20,0  | 3259       | 45.40 |            | 50.0             | 50,5           | 20,4<br>61,3 | 01.5<br>5?.7         | 1460         | 23.1<br>70.0 | 9341         | 69.1         | 23.1<br>70.8 | 09       |
| - *<br>- *-         |        | 1,55  | 23,6  | #7 8 Y     | 9006  | 4008       | 25.0             | 26.85          | 01.45        | 9777                 | 10,0         | 70 s 8       | 7078         | 70±8<br>72±3 | 20,0         | 70       |
|                     | ,      | 22,1  | 25.7  | 37,5       | 90.2  | 40.2       | 3004             | 61,5           | 64.6         | 07,2<br>07,2<br>71,3 | 72,0         | 72,0         | 72,0<br>70,4 | 72,0         | 7.6 . 6      | 78       |
| ≥ 50c<br>≥ 40^      |        | 22,1  | 7.012 | 36,5       | 96.7  | 90.7       | 20.7             | * * * * * *    | 5¥20<br>6≑20 |                      | 77,9<br>79,0 | 79,0<br>80,0 | 7990<br>8090 | 79 = 0       | 90,5         | 50       |
| <br>200°            | !      | 22c j | 56.5  | 20,2       | 4007  | 40.7       | 36.9<br>56.9     | 68,1           | 64.6         | 76,16                | 79.5<br>79.0 | 0135         | 83,5         | ED. L        | 90,7         | 95<br>95 |
| ≥ 55<br>≥ 7         |        |       | 20,2  | 20€5       | 90+7  | 901        | 2957             | OF: L          | 04 ± 0       | 72,0                 | 79,0         | 83e1         | 03.0         | 84.0         | 44-9         | 96       |

DATA PROCESSING DIVISION USAF ETAC AIR WEATHER SERVICE/MAC

### CEILING VERSUS VISIBILITY

3-199 SIEGENBURG GERMANY GUNNERY RANGE 68-70

\_ <u>;c</u>t

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

:cet#dost-

| •                        |              |                      |                         | v 9                | 5 5 , "Y 5" * ", "E M  | .65          |                        |                      |           |
|--------------------------|--------------|----------------------|-------------------------|--------------------|------------------------|--------------|------------------------|----------------------|-----------|
| ş • •                    | 20 20        | ≥ 5 ? #              | ≥ 3 3                   |                    | 2 2.                   | ?            | ≥ 4 2 2 8              | 2 - 2:6              | 2 4 2     |
| e anima                  | 10,1         | 17.7 21.             | 9 24.0 24.<br>6 29,7 29 | 0 25.5             | 27.1 27.1              | 27,6         | 28.1                   | 25.1 26.1            | 28.1 28.1 |
| ₹ 9000<br>₹ 8000         | 20,8         |                      | 6 29.7 29               | 7 31.3             | 32,8 32,0<br>32,8 32,0 | 33/3         | 33,9 33,9<br>33,9 33.9 | 33,9 32,9            | 33.9 33.9 |
|                          | 20,8<br>20,8 | 22,4 27.             | 6 29,7 29               |                    | 32,8 32,               | 33,3         | 33.9 33.9              | 33,9 33,9            |           |
| 2 0000<br>2 <b>9</b> 000 | 23,4         | 25,0 30.             | 7 33,3 33               | 3 34,9             | 36.5 36.               | 37,0         | 37,5 37,5<br>38,0 38,0 | 37,5 37,             | 37,5 37,5 |
| ≥ *VCC<br>≥ \$CCC        | 24,0<br>24,5 | 25.5 21.             | 8 34,4 14               | 4 3065             | 38,0 38,0              | 30.5         | 39.1 39.1              | 39,1 39,<br>41,1 41. | 39.1 39.1 |
| 2 600<br>2 5000          | 25,0<br>26,5 | 29,1 39,             | 6 37, C 37              | 0 39.1             | 42.7 42.               | 91,7         | 92,2 42,2              | 4232 425             | 92,2 93,2 |
| 2 4500<br>2 4000         | 20,0<br>29,7 | 29,7 35,             | 9 30,1 39,<br>6 43,2 43 | 1 4141             | 444 444                | 45,3<br>49,5 | 50.0 50.0              | 45.8 45,             | 45,8 45,8 |
| 2 0500<br>2 0000         | 29,7<br>31,0 | 35.4 42.             | 1 93,8 93<br>2 45.8 45  | 8 49.0             | 50,0 50;<br>52,1 52,   | 51,0         | 51,6 51,6<br>52,6 53,6 | 53.6 53,             |           |
| ± 25.0<br>≥ 2000         | 40,1         | 30,5 40;<br>46,3 52, | A 2716 27               | 3 40.9             |                        | 57,4         | 59:9 59:9<br>66:1 66:1 | 5979 597<br>651 665  | 66,1 66,1 |
| 2 800<br>2 500           |              | 46,41 56,            | 3 02,5 02               | 5 66,7             | 70,3 70,               | 7497         | 72,9 72,4              | 001 00;<br>72;9 72;  | 72,4 72,4 |
| 2 200<br>≥ 000           | 48,9         | 48,9 37,             | 9 69 8 69               | 76 70 O            |                        | 92/2         | 7420 7450              | 74.5 74.6            | 65 9 65 6 |
| 90.<br>800               | 43,8         |                      | 9 69 8 69               | 6 76 O             | 77.6 78.               | 82,5         | 03,3 83,2              | 6973 697             | 43,3 03,3 |
|                          | 49.0         | 49.5 00.             | 9 70.8 70               | 0 75 0             | 77.0 13.<br>78.0 79;   | 7 6437       | 1017<br>1019<br>1019   |                      | 05,4 85.4 |
| ≤ 500<br>≥ 400           | 4638         | 49,5 40,             | 9 75:6 70               | 8 75,0             | 78,6 79,               | 7 9797       | 90,0 90,0<br>94,0 94,8 | 90,0 90,<br>95,8 95, | 96,4 96,4 |
| ≤ 300<br>≥ 200           | 9.69         | 49,5 60:             | 9 70, 5 70              | 6: 42 (0)          |                        | 7 97,5       |                        | 96,9 96;             | 70,4 90,4 |
| ≥ 30<br>; ≥ 3            | 44,8         | - EF 2) 7 "          |                         | ,0 (5,0<br>,8 75,0 |                        | 7 87 65      | 95,3 95,6              | 66.6 664<br>664      | 75,4100,0 |

USAF ETAC .... 0-14 5 (OL 1) PREVIOUS ED TONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION USAF ETAC AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

| 34199 | SIEGENBURG GERMANY GUNNERY RANGE | 69-70 |  | · · · · · · · · · · · · · · · · · · · |  |  |
|-------|----------------------------------|-------|--|---------------------------------------|--|--|
|-------|----------------------------------|-------|--|---------------------------------------|--|--|

55,72

# PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY CBSERVATIONS)

1500-1700

| : *- <u>_</u>   |     |                    |              |                       |                   |                 |              | \$8.5 3      | '- "£ ++ ;   | • 5          |              |              |              |              |              |             |
|---|-----|--------------------|--------------|-----------------------|-------------------|-----------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|-------------|
| · { ! ·   | 2 1 | <b>≥</b> 6         | 2 1          | _ 4                   | 2:                | <u> </u>        | > ;          |              | ≥ .          | ≥            | ≥ %          | <br>≥ s 3    | · · · · ·    | ≥            |              | ·<br>≥:     |
| .T UF NO. 1   |     | 30.9               |              | 47.9                  | ão.c              | 50.             | 52.1         | 56.3         |              | 46,9<br>56,3 | 49.9         | 96.9<br>56.3 | 46,9<br>56.3 | 46,9<br>56.3 | 46.7         | 46.<br>56.  |
| 2 51 1  |     | 36,5               | 38,5         | 47,9                  | 50,0<br>50,0      | 50=L            | 32.1         | 15.04        | 50.3         | 56.3         | 50.3         | 56.3         | 56.3         | 56.3         | 56.3         | 50.         |
| <u>-</u>  |     | 36,5<br>36,5       | 36.5         | 47.9                  | 50.0              | 50 ± G          | 52.1         | 50.2         | 56.8         | 56,3<br>56,3 | 56.3         | 36-3         | 36 S         | うらしな         | 54.2         | RA.         |
|   |     | *V 2 9             | 42,7         | 34,2                  | 30 . 5            | 36 A A          | 2992         | 02g2         | 92.5         | 62,5<br>62,5 | 02.5         | 62:5         | 02.5         | 62.5         | 92.5         | 62.         |
| . š.<br>  |     | 4438               | 42,8         | 59.4                  | 61,9              | 41,5            | 54 64.       | 63.2<br>6777 | 99;5<br>67;7 | 67/7         | 67.7         | 6777         | 33,5<br>67,7 | 03,5<br>57,7 | 93,5         | <b>69</b> , |
| 2 5 11  |     | 46,9               | 50,0<br>51,0 | 62.5                  | 64;<br>65;6;      | - 0<br>- 6      | 50°7         | 70,5         | 70,9         | 70,0         | 70,9         | 70.0         | 70,5         | 70,8         | 70.4         | 70          |
| <u></u> - <u></u> - <u></u> - <u></u> - <u></u> - <u></u> - <u></u> - <u></u> - <u></u> - <u></u> - <u></u> - <u></u> - <u></u> - <u></u> - <u></u> - <u></u> - <u></u> - <u></u> - <u></u> - <u></u> - <u></u> - <u></u> - <u></u> - <u></u> - <u></u> - <u></u> - <u></u> - <u></u> - <u></u> - <u></u> - <u></u> - <u></u> - <u></u> - <u></u> - <u></u> - <u></u> - <u></u> - <u></u> - <u></u> - <u></u> - <u></u> - <u></u> - <u></u> - <u></u> - <u></u> - <u></u> - <u></u> - <u></u> - <u></u> - <u></u> - <u></u> - <u></u> - <u></u> - <u></u> - <u></u> - <u></u> - <u></u> - <u></u> - <u></u> - <u></u> - <u></u> - <u></u> - <u></u> - <u></u> - <u></u> - <u></u> - <u></u> - <u></u> - <u></u> - <u></u> - <u></u> - <u></u> - <u></u> - <u></u> - <u></u> - <u></u> - <u></u> - <u></u> - <u></u> - <u></u> - <u></u> - <u></u> - <u></u> - <u></u> - <u></u> - <u></u> - <u></u> - <u></u> - <u></u> - <u></u> - <u></u> - <u></u> - <u></u> - <u></u> - <u></u> - <u></u> - <u></u> - <u></u> - <u></u> - <u></u> - <u></u> - <u></u> - <u></u> - <u></u> - <u></u> - <u></u> - <u></u> - <u></u> - <u></u> - <u></u> - <u></u> - <u></u> - <u></u> - <u></u> - <u></u> - <u></u> - <u></u> - <u></u> - <u></u> - <u></u> - <u></u> - <u></u> - <u></u> - <u></u> - <u></u> - <u></u> - <u></u> - <u></u> - <u></u> - <u></u> - <u></u> - <u></u> - <u></u> - <u></u> - <u></u> - <u></u> - <u></u> - <u></u> - <u></u> - <u></u> - <u></u> - <u></u> - <u></u> - <u></u> - <u></u> - <u></u> - <u></u> - <u></u> - <u></u> - <u></u> - <u></u> - <u></u> - <u></u> - <u></u> - <u></u> - <u></u> - <u></u> - <u></u> - <u></u> - <u></u> - <u></u> - <u></u> - <u></u> - <u></u> <u></u> |     | 49 y 0:            | 53,0<br>53,1 | 03,5;<br>63,6         | 67.7              | 67.7            | 67,7<br>67,5 | 71,9         | 71,9         | 74.0         | 74.0         | 71,79        | 71,9         | 71,9         |              | 71          |
| 2 00 L<br>2 0010  |     | \$0.0i             | 34,2         | 66,7                  | 57,7              | 67,7            | 70.9         | 74,0         | 79,0         | 79,0         | 79:0         | 79.0<br>73.6 | 79.0         | 74,0         | 74-0         | 74          |
| 25°0<br>20°0  |     | 30,3               | 02,3         | 75.2                  | 79,0              | 76,0            | 7001         | 87.5         | 82,9<br>97,5 | 37,5         | 8895         | 52,3<br>87,5 | 87.5         | 88#5<br>87#3 | 92.3         | 02          |
| 2   |     | 59,4               | 68,9         | 61.3                  | 8548              | 8698<br>8696    | 86.5         | \$0*9        | 90.6         | 91.0         | 91.7         | 9177         | 64.0         | 91,7         | 09.6         |             |
| 2.5   |     | ¢0 0 4.<br>¢0 0 4. | 65,6         | 92.60                 | 67.5              | 00 g %<br>07 63 | 39.6         | 91.7         | 93.6         | 42.3         | 95.3<br>95.5 | 92.7<br>95.8 | 95.8         | 71.7         | 92.7         | \$2         |
| - erc<br>- ec-  |     | 60 ş 4:            | 05,6         | 6446<br>6446          | 87.3              | 67.9            | 0440         | 94.8         | 9438         | 9659         | 70,0         | 6.45         | 96.6         | 95.5         | 8.66<br>8.46 | 95          |
|   |     | 60,4               | 65.60        | P494                  | 67.3              | 67.5            | 8970         | 94.8         | 26.5°        | 97.9         | 99.9         | 99.9         | 99.9         | 96.9         | 97.0         | 90          |
| 1 500<br>≥ 401  |     | 00 p q             | 65 6         | 0044!                 | 37.5              |                 | C4 = 01      | 95.5         | 68 3<br>65 8 | 33,00        | 00°01        | 0440         | 00+02        | 00°00        | 100±00       | 99          |
| 2 200   | 1   | 00.4               | 03 g 0       | 69y4<br>64 <b>*</b> 4 | 87 <sub>9</sub> 5 | 9779            | 69.0         | 65.8         | * # # ¥ ;    | 99,05        | <b></b>      | VESUE        | .uceuu       | 1114 9577    | LUURUL       |             |
| <u> </u>  |     | 00 g               | 00.6         | 무막들은.                 | 0/e2!             | 67 ± 3          | OFFC         | 4920         | 9525.        | 49,01        | 00_50        | 60.00        | DOX OF       | OD - DO      | COAN         | AA.         |

DATA PROCESSING DIVISION USAF STAC AIR WEATHER SERVICE/MAC

6

### CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

5.9' 5.9' 7.6' 7.6' 7.6' 10.1 10.1 10.9 13.4' 13.4' 13.4' 13.4' 14.3'
5.9' 5.9' 7.6' 7.6' 7.6' 10.1 10.1 10.9 13.4' 13.4' 13.4' 13.4' 14.3'
5.9' 5.9' 7.6' 7.6' 7.6' 10.1 10.1 10.9 13.4' 13.4' 13.4' 13.4' 14.3'

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DATA PROCESSING CIVISION USAF ETAC AIR WEATHER SERVICE/MAC

STEGENBURG GERMANY GUNNERY RANGE 68-70

# CEILING VERSUS VISIBILITY

|   |          |                    | PERCENT<br>(FR                           | AGE FRE              | QUENC  | Y OF (<br>SERVA | OCCUR<br>TIONS | RENCE |        |          |              |               | <u> </u>  |         |
|---|----------|--------------------|--|----------------------|--------|-----------------|----------------|-------|--------|----------|--------------|---------------|-----------|---------|
| <b>,</b> .                                    |          | ·                  |  |                      |        | · S & . ~ · S   | 5'A"_"E M .    | .es   |        |          | · -          |               |           |         |
| <del></del> -                                 | 2 2 7 4  | •                  |  |                      |        |                 | > <b>.</b>     | 2     | ≥ ½    | 2 5 €    |              | ·-<br>- : : • | <br>3 •   |         |
| · · · · · · · · · · · · · · · · · · ·         | 9,<br>9, | 9' 12,4<br>9' 12,4 | 14.0 14                                  | 0 14.                | 0 14-0 | 14.9            | 14.9           | 17,4  | 18,2   | 18,2     | 18.2         | 18,2          | 18,2      | 18.2    |
| 2 60.1  | 9,       | 9' 12,4<br>9' 12.4 | 16.0 14                                  | 0 14                 | 0 14.0 | 14,9            | 16.9           | 17,4  | 18,2   | 18,2     | 18.2         | 18,2          | 18,2      | 10.2    |
| 2 4 1 2 2 1 1                                 | 9.       | 12.4               | 14-0 14                                  | 10 VA                | * TA A | 14 0            | ****           | 2157  | 1015   | 30,6     | 10.4         | 10,2          | 18.2      | 15 . Z' |
|   | 9,       | 12.6               | 14.0 14                                  | 0 14.                | 14.0   | 8 6 0           | 2707           | 4197  | 1096   | 1002     | 10.2         | 19.5          | 15.4      | 18.2    |
| - 8/00<br>- 7000                              | 11,4     | 7 19×0             | 13.7 15                                  | .7 13.               | 15.7   | 16.5            | TA B           | 16 8  | 10 3   |          | 9089         | 7430          | 1096      | 18 6 6  |
| - 6.1<br>2 5 55                               | 13.      | 15.7               | 17.01 17                                 | 17.6                 | 17.4   | 18 7            | 1010           | TAPO  | 1790   | 19.5     | 19,8         | 19,8          | 19.8      | 19.8    |
|   | 19,      | 22,3               | 24.8 24                                  | · 4 20 · 4           | 26.4   | 25.6            | 25.6           | 28.1  | 28.9   | 28.9     | 28.9         | 28.9          | 28,9 2    | 20,9    |
|   | 20.      | 29,8               | 26,6,26                                  | 4 31.4               | 31,4   | 32,2            | 32.2           | 34,7  | 35,5   | 35.5     | 35,5         | 35,5          | 35,5 3    | 10,6    |
|   | 22.3     | 26.0               | 33. 1. 7.3                               | . 1 22 1             | 22 1   | 99 0            | 35.5           | 777   |        | 200      | 20,00        | 20 -4         | 20,913    | 90 s 4  |
| <del> </del>                                  | 34,7     | 38.8               | 58.9 52                                  | \$ 52.9              | 55.4   | 97.0            | 57,0           | 59.5  | 60.3   | 00.3     | 60.3         | 41,3<br>60,3  | 91,3 6    | 0.3     |
| 2 751   | 40.5     | 44.7               | 118 9 KA                                 | -9 20 5              | 12 14  | 7 1 7 5         |                | APPA  | 0648   | G C . 01 | 42 1         | 02.0          | 92.8 6    | 2.8     |
| <u> </u>                                      | 41,3     | 45,5               | 61.2 63                                  | 6 1300               | 66,1   | 70.2            | 70.2           | 74,4  | 75,3   | 73.2     | 75.2         | 75.2          | 75 2 7    | 5,4     |
| _ s:  | 41,3     | 45,5               | 01.2 03<br>62.0 64<br>02.0 64<br>08.0 64 | 901 03,0<br>951 64,5 | 67,8   | 71.9            | 70.2           | 76.0  | 75,2   | 79.2     | 79.2<br>79.3 | 79.2          | 75 2 7    | 5,2     |
| 2 600   | 41,9     | 42,5               | 92,0 64<br>92,0 63                       | \$ 00 5<br>\$ 00 6   | 68.6   | 73,5            | 75.2           | 77,7  | 7/175  | 82.6     | 81+0         | 0 2 0         | 8 0 4 8   | I.C     |
| <u>2</u> 400                                  | 41.8     | 45.5               | 69.0 68                                  | Z AR Q               | 46.7   | ė i             |                | 7245  | 128    | 50 t.0   | 00 10        | 00 % O        | c0 €0  8: | 0.0     |
| ≥ 200<br>≥ 200                                | 41,3     | 45,5               | 62.0 65                                  | 3 65.3               | 69.4   | 76.0            | 78.8           | 84.5  |        | ACAT     | Anty         | ADPT          | 3017 3    | 0,1     |
| <u>≥</u> == = = = = = = = = = = = = = = = = = | 91.3     | 45.5               | 62 0 65<br>62 0 65                       | 3 65 3               | 59.4   | 78.0            | 70             | 90.0  | 00 8 4 | ANNA     | 40.4         | 72.0          | 72 50 9   | 3,4     |

DATA PROCESSING DIVISION USAF ETAC AIR WEATHER SERVICE/MAC

### CEILING VERSUS VISIBILITY

36199 SIEGENBURG GERMANY GUNNERY RANGE 68-70

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PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

:200-1400

|                             |              |                |                                       |              | . :     | 5° 5° 4            | "."E v.#5     | <u> </u> |               |        |          |                |                |            |
|-----------------------------|--------------|----------------|---------------------------------------|--------------|---------|--------------------|---------------|----------|---------------|--------|----------|----------------|----------------|------------|
| -                           | · : 5 6      | 23             | 2. 2.                                 | 2            | <br>.:  |                    | - •           | 2        | ≥ *.          |        | ≥ -      |                | 2 4            |            |
| N T 08 N.<br>≥ 2011         | 14.8         | 14.8 1         | 3,9 15.7<br>4,8 16,5                  | 16.5         | 17.4    | 17.4               | 17,4          | 10,5     | 17.9          | 17.4   | 17.4     | 17.4           | 17:4           | 17.        |
| 2 \$101<br>2 6701           | 14,5         | 14,6 1         | 4,8 16.5<br>4,8 16,5                  | 10,5         | 17,4    | 17,4               | 17,4<br>17,4  | 17,4     | 17,4          | 17.4   | 17,4     | 17,4           | 17,4           | 17,        |
| 2 4                         | 14,8         | 14.8 1         | 4,8 10.5<br>4,8 16,5                  | 10.5         | 1704    | 17.4               | 17.4          | 17.4     | 17.4          | 17.4   | 17,4     | 17.4           | 17.4           | 17.        |
| 2 ::::<br>_ 9.::.           | 16,5         | : 16.5: 1:     | 5,7 15,3<br>6,5 19,1                  | 19.1         | 50 ± 0. | 20.0·              | <b>20.0</b>   | 20.0     | 20.0          | 20.C   | \$0 . O: | 20.0           | 20.0           | 20,        |
| 2 50 0<br>2 73.             | 19.3         | 10,3:1         | 8,3 20,9<br>8,8 20,9                  | 20.9         | 21.7    | 21:7'              | 21.7          | 2177     | 21.7          | 21.7   | 21.7     | 21.7           | 21.7           | 21.        |
| 2 6.<br>2 5                 | 23.5         | : 28.5.2       | 9,1 21,7                              | 27.8         | 2847    | 20.7               | 28.7          | 26.7     | 25.7          | 28.7   | 28.7     | 28.7           | 28.7           | 25.        |
| 4                           | 69 2 6       | ZOal Z         | 5,2 27,8<br>8,7 31,3                  | 9149         | 2555    | 96 t 6:            | PEAZI         | 26.66    | 26.4          | 2444   | 2 L L C. | 3646           | 2666           | 76≥        |
| 2                           | 90,4<br>30,4 | 31,3 3         | 0,9 33,0<br>3,9 36,5                  | 39.0<br>36.5 | 37.0    | 37.4               | 37,4.         | 37,6     | 37,4          | 37,4   | 37,4     | 37,4           | 37,4           | 37,        |
|                             | 91.47        | 45,2 5         | 8,3 40,9<br>3,0 55,7                  | 5547         | 2719    | <b>⊉7 , 4</b> °    | 27 - <b>4</b> | 27 #4    | 37 g 4:       | 57 , A | 77 , A   | 57 g4          | 57 g 6         | <i>37.</i> |
| - 81.<br>- 2 21.            | \$45.3       | ; 4877 P       | 3,0 55.7<br>9,1 61,7                  | 61.7         | 63,5    | 69,5               | <b>63,5</b> ; | 54.8     | 64.3          | 64.3:  | 94.3     | 64.9           | 64.3           | 64,        |
| ≥ 100<br>_ 100<br>_ 100<br> | 46-1         | . 49 a 6 i &   | 147 07.51<br>2461 69461<br>2461 69461 | 69 # 61      | 71:3    | 73.7               | 73:9:         | 74=0     | '76×6I        | 74.8   | 74.8     | 74 <i>2</i> 8' | 74.6           | 74.        |
|                             | (+D+1        | , eyrolo       | 9,5 73,0<br>3,5 73,0                  | 73 e Q:      | 7992:   | 77 g 😝 :           | 77g4:         | 70 # 5   | €Q <b>€</b> Q | 60 . Y | éô≉A.    | @0 % A;        | <b>60</b> ₹ A: | 99,        |
| ž e50                       | 40.5         | 47,0  <u>6</u> | 3,5 73,0                              | 73,0         | 79 - 5  | \$0 <del>,</del> 0 | 30 ° 0        | 80/9     | 62,0          | 03:5   | 83 - 5   | 63,5           | 83,5           | 09,        |
| 2 \$00<br>≥ 400             | 4651         | 49.61.6        | 9,5 73.0                              | 73.0         | 74 - 81 | 80.9               | 83,5          | 07°0     | 89.6          | 91.3   | 91/3     | 91/3           | 91.3           | 91,        |
| 2 201<br>≥ 2.1              | 4051         | ( GY SOI O     | 9,5 79.0<br>2,5 70.0                  | 73 a O       | 70 9 0  | ĝØs≱.              | 03g5          | Yl#3     | 79,7          | 97.4   | '∀7∌\$i  | 77 # <b>4</b>  | 47 F           | 90,        |
| 2 11 2 2                    | 4641         | 49.8 6         | 305 7310                              | 79.0         | 74.0    | 80.9               | 63.5          | 91/9     | 9577          | 97.4   | 97.4     | 97,4           | 9941           | 100.       |

DATA PROCESSING DIVISION USAF ETAC AIR MEATHER SERVICE/MAC

### CEILING VERSUS VISIBILITY

34199

SIEGENSURG GERMANY GUNNERY RANGE 68-70

<u>~27√</u>\_

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

4 × 8 x 75 × 51±1,75 × 65

1520-1700

| 2 *         | 2.0                                    | 2:                   | 2 4          | ≥.           | 2.   | .*   | <u>≥</u> | 2 4            | 2                | £ %     | ٤ ٠ ٤ | <i>:</i>           | . :   |                 | -             |
|-------------|--|----------------------|--------------|--------------|------|------|----------|----------------|------------------|---------|-------|--------------------|-------|-----------------|---------------|
|             | 25.5                                   | 26.5                 | 28,6         | 30.6         | 30.6 | 30,6 | 30.6     | 30.0           | 30.5             | 36,5    | 30 6  | 30.6               | 30.5  | 30.6            | 30.5          |
|             | 25,6                                   | 28,6                 | 30,6         | 32.7         | 32.7 | 32.7 | 32,7     | 32.7           | 32,7             | 32,7    | 32.7  | 32,7               | 32.7  | 32.7            | 32.7          |
|             | 28,5                                   | 28,0                 | 30.0         | 32,7         | 32.7 | 32.7 | 32,7     | 32,7           | 32,7             | 32,7    | 32,7  | 32.7               | 32,7  | \$2.7           | 32.7          |
| - '         | 36,7                                   | 36,7                 | 36,8         | 40,8         | 40.5 | 40.8 | 40,8     | 40,5           | 40,8             | 40,5    | 40,8  | 40.8               | 40,8  | 40,5            | 4C,8          |
| []          | 44,8                                   | 44,9                 | 46.9         | 49,0         | 49.0 | 49.0 | 39,0     | 49.0           | 49.0             | 49,0    | 49.0  | 49.0               | 49,6  | 49,0            | 69.0          |
| = £         | 44.9                                   | 44.9                 | 40.9         | 49.0         | 49.0 | 49,0 | 49.0     | 49.0           | 99.0             | 49.0    | 49.C  | 49,0               | 49,0  | 49.0            | 39.0          |
| -<br>4<br>4 | 51.0                                   | 51,0<br>51,0<br>55,1 | 55,1         | 57.1         | 57.1 | 37.1 | 59,2     | 99.2           | 59,2             | 59.2    | 59.2  | 59.2               | 69,2  | 59,2            | 59.2          |
| - ·         | 57.1                                   | 57,1                 | 61.2         | 67.3         | 83,3 | 67.3 | 69.4     | 65.4           | 69.4             | 55,3    | 35,3  | 69.4               | 65,3  | 09.6            | 65,8<br>69.4  |
| - * -       | 2242                                   | 58,5                 | 07.3         | 04.4         | 07:9 | 01.4 | 71.0     | 716号           | 71.49            | 7.1 # 針 | 71.5  | 73.99              | 11.79 | 71:4            | 71.5          |
|             | 73,5                                   | 75,5                 | 61.0         | 63.7<br>87.8 | 83.7 | 89.8 | 91.8     | 91,8           | 91.8             | 91.8    | 91.0  | 55. 7.<br>91 6     | 91.8  | 91.8            | 85,7<br>91.8  |
| <u> </u>    | 73 <sub>3</sub> 5<br>75 <sub>3</sub> 5 | 75,5                 | 85.7<br>85.7 | 87.6         | 87.8 | 91,6 | 93.9     | 93/9           | 93.9             | 93,9    | 93.9  | 93.9               | 73,7  | 33.5            | 93,9          |
|             | 75≱5<br>75≩5                           | 75.5                 | 95.7         | 67.8         | 87.8 | 93.8 | 93.9     | 75/7:<br>95/9: | 95,47.<br>95,69' | 95,9    | 95,9  | ·3219              | 95,9  | 52.6            | 95,9          |
| 2 600       | 7515                                   | 72;5<br>75;5         | 85.7         | 67.8         | 87.8 | 91.8 | 95,9     | 95/9!          | 95.9             | 95,9    | 95.9  | 93.9               | 93,9  | 93,9            | 95,9          |
| 2 400       | 75)5<br>75)5                           | 75.5                 | 05.7<br>05.7 | 87.8         | 87,8 | 41.6 | 99,9     | 6876<br>6856   | 195,9:<br>195,9  | 95.9    | 93.9  | 93.9               | 95.9  | \$5.9           | 95.9          |
| \$ 200      | 7525                                   | 7525                 | 85.7         | 87.8         | 87.8 | 91,8 | 95.9     | 95.0           | 100-0            | A6.0    | 9850  | 70.0               | 96.00 | 0.001<br> 0.001 | 100'0<br>AB'0 |
| · ·         | 7575                                   | 73,5                 | 35.7         | 87.8         | 87,8 | 91,8 | 95,9     | 62.6<br>A3.A   | 100,0            | 100.0   | 00.0  | 700 • 0<br>700 • 0 | 100,0 | 00.0            | 100.0         |

DATA PROCESSING DIVISION USAF ETAC AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34199

SIEGENBURG GERHANY GUNNERY RANGE 68-70

<u> EC</u>

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

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\$ 15 mg = 1 20 er

0600-080C

| - :               | 7,1     | 7.0      |                |                |                     |  |           |           |         |          |               |         |           |                        |              |
|-------------------|---------|----------|----------------|----------------|---------------------|--|-----------|-----------|---------|----------|---------------|---------|-----------|------------------------|--------------|
| - <del>-</del>    |         |          | 10./           | 10.0           | 16.4                | 16:4:                                  | 16.4      | 15.4      | 20.7    | 20.7     | 30 7          | 3A =    | T AP      | 30 7                   | 20.7         |
|                   | 8,6     |          |                |                |                     |  |           |           |         |          |               |         |           |                        |              |
| - \$ .            | 8,6     | 7,90     | A / B A        | 1142           | 1117                |  | 1 / 4 7   | 1 /       | // . 1  | 72.1     | 33.1          | 77.1    | 7279 1    | 77 1                   | 77 1         |
| - 1.              | 8,6     |          | ) <u> </u>     | 1117           | 1145                | 1147                                   | 1 / 4 7   | 11.4      | 22.5    | 27 - 1   | 22.1          | 77.9    | 99 1      | 37 1                   | 22.1         |
| <u> 5 Îs</u> -    | 8.6     | 9.3      | 17.2           | 17.9           | 17.5                | 17.0                                   | 17.0      | 17,5      | 22 3 1  | 22 p l.  | 53.1          | 22:1    | 27.1      | 22+1                   | 22,1         |
|                   | 8,6     | 7,3      | 17.1.          | 27 59          | 1747                | 1797                                   | 17:7      | 17.3      | 22.1    | 22.1     | 99.1          | 22.1    | ララー!      | 23.1                   | 77.1         |
| 2 ÷, .<br>— — —   | 8,6     |          |                |                |                     |  |           |           |         |          |               |         |           |                        |              |
| 2 8 TO<br>2 TOUG  | 9,3     | 10,0     | 15.5           | 17:3:          | 17 きご               | 1712.                                  | 17:0      | 17 = 2    | 23.5    | 23.0     | ALEK          | 22.6    | 23.4      | 22,5                   | 23,6         |
|                   | 9,3     | YARA     | YOU'           | 17 t #:        | E735                | 3715                                   | 17-5      | 17 + 3.   | 23.6    | 23.A     | 22.A          | 24.4    | 22 . A.   | 23.0                   | 29.6         |
| - e-<br>2 2       | 19.6    | 14.3     | 23.9           | 22.6           | 25.0                | 25.6                                   | 58.A      | 22.4      | 39.6    | 47 0     | 29.6          | 23.0    | 25,8      | 23,0                   | 20,5         |
| _ 4               | 13,6    | - 美子男女!  | 63.47          | C4 # 131       | <b>48</b> 6 4 5 1   | 29 f 9'                                | 27 s Ci   | ZBeB      | 2/-5    | 77.29    | 75.V          | 77.S    | 27 G      | 27,9                   | 27.9         |
| _ ~.:             | 4497    |          | 52.1           | 20+4           | 40 . 4              | ## ## ## ## ## ## ## ## ## ## ## ## ## | Z9 : 4    | 20.4:     | 30.7    | 3027     | 38.7          | 36.7    | 2A.7      | 30.7                   | 30.7         |
| 2 _               | 10,9    | 1'41:    | 23.7           | 20.4           | 20 - <del>2</del> ; | 20.4                                   | 28.4      | 26.4      | 30.7    | 38.77    | SATE          | 38.7    | 5 2 75    | 20 7                   | 48 7         |
| -                 | 10.3    | * Y * 2; | 67.0           | 30 ( )         | 30 e C:             | きらさい                                   | 30 ± C    | 30-0      | 3413    | 36. P    | 24.3          | 34.3    | 3.6 C     | 24 _ 2:                | 36,3         |
| 1 4               | 20.0    | 2231     | 32.1           | 32.0           | 32.0                | 34.5                                   | 34.3      | 3603      | 61 6    | 22 1     | 29, T         | 49.4    | 32 T      | 35 7 Ti                | 32,7         |
| _ 8.              | 242     |          |                | 2241           | 241                 | A 1 3 7'                               | # C & P!  | 75 F & W! | .55 - 6 | A 7 - 71 | A E . 7       |         | A 5 . T   | A # 1                  | 65.7         |
| 2 5 <sup>-x</sup> |         |          | 2 2 2 2 2      | -V . V         | 44.4 A.             | PAFA;                                  | 7776      | 7752      | 교소하다    | 25.27    | 20 6 3:       | 교육등교    | 조를 느 토다   | 34+3                   | 34,3         |
|                   | PA 1 41 | 3447     | <b>7241</b>    | 40.631         | 923Y                | *2 b ()*                               | 33 T + 7. | 67 i 1    | 36.38   | 56.7     | E - 1         | 37.3    | 74.       | 3733                   |              |
|                   | 20-91   | 30.7     | 45,7           | 20-21<br>20-21 | 4017                | 2050                                   | - 43 - 41 | 28≤ J.    | 57 ta.  | 55.4     | 9992          | 94+3    | 00,2      | 94,8                   | 6é, <u>=</u> |
| 511               | 26.4    | 30,7     | 45.7           | 46.4           | 46.4                | 30.0                                   | 54:3      | 55.0      | 66.5    | 67.6     | 00:50<br>60:5 | 60.2    | 93 . K    | 66 - d                 | 62 ¢3        |
| <br>_ =           | 20,4    | 30.6     | 42.6           | 46.54          | 45 44               | 20s /!                                 | 50 · 4:   | 57.1      | SC - A  | 70.0     | 71 - 1        | 7114    | 77.2      | 73.4.                  | 44.7         |
|                   | _U = +: | avef'    | 47.1           | ₩7 6 Y:        | 2014                | 27 6 71                                | 97.7      | 長茲 二氏症    | AB AB   | 79.9     | 92.A          | "受意"系   | WE        | <b>*</b> * * * *       | 54 A.        |
| 2 ∋0.<br>≥ 400    | 26.6    | 30,7     | \$7.1<br>\$7.1 | 9759           | 47.7                | 2211                                   | 372 Y     | 95 p \$1  | 72.7    | 70,0     | 60,7          | 3017    | ĢG.;      | <b><u><u> </u></u></b> | \$0.7        |
|                   | 27.9    | \$2.1    | 70.52          | 40.2           | 47.2                | 5200                                   | 50.3      | 20 * O    | 77.3    | 81,9     | 0547          | 25:7    | 55:7      | 25:7                   | 35.7         |
| 2 25.             | 27,9    | 32.1     | 40 + 01        | YY 5 Di        | 7                   | 2314                                   | ロフィコ      | CS S D₁   | ITAL:   | 37.1     | GETA.         | 47.4    | 작목 그림     | 90 J.                  | 39. A        |
| 7 55              | 27,9    | 32.1     | 44.4           | 9712           | 46.3                | Pago:                                  | 34.3      | รอะณ      | 77.1    | 57.1:    | VA. AF        | BH.A.   | A.F. A.A. | 00.00                  | 00.0         |
|                   | 27,9    | 32.1     | 48.6           | 49.3           | 49 - 3              | 29 - Ç                                 | 59,3      | 60.0      | 77.1    | 17.1     | 96.4          | 9a - 6b | 00.01     | 99.01                  | 00.0         |

DATA PROCESSING DIVISION USAF ETAC AIR SEATHER SERVICE/MAG

CEILING VERSUS VISIBILITY

34197

STEGENBURG GERHANY GUNNERY RANGE 68-70

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOUNLY OBSERVATIONS

09/0-110^

DATA PROCESSING DIVISION USAF STAC LIR WEATHER SERVICE/MAC

#### CEILING VERSUS VISIBILITY

14199 SIEGERBURG GERMANY GUNNERY RANGE 68-70

OF C

PERCENTAGE FREQUENCY OF OCCUPRENCE FROM HOURLY OBSERVATIONS.

1200-1400

CATA PROCESSING DIVISION USAF ETAC AIR MEATHER SERVICE/MAC

### CEILING VERSUS VISIBILITY

34199 SIEGENBURG GERMANY GUNNERY RANGE 68-70

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

1500-1757

|              | <br>                          | <del>-</del> |          |            |                | —       | _        |         |        | -     |       |         |            |                |       |
|--------------|-------------------------------|--------------|----------|------------|----------------|---------|----------|---------|--------|-------|-------|---------|------------|----------------|-------|
|              |                               |              |          |            |                |         | 1 2      |         | 1      |       |       |         |            |                |       |
|              | <br>                          | ·            | 2 4      | <i>2</i> . | · ·            | 2:      | <u>د</u> | 2 .     | 2      | ≥ .   | ٠.    | ż       | <i>:</i> : | <i>:</i> .     |       |
|              | <br>26.1                      | 30,4         | 39.1     | 39.1       | 39.1           | 36.1    | 39.1     | 39.1    | 39.1   | 39.1  | 39.1  | 39.1    | 39.1       | 39.1           | 39.   |
|              | 26.1                          | 30.4         | 39.1     | 39.1       | 39,1           | 39,1    | 39,1     | 39.1    | 39,1   | 39:1  | 39.1  | 39.1    | 37.1       | 30.1           | 39,   |
| · ·          | <br>26,1                      | 30,4         | 39,1     | 39,1       | 39,1           | 39,1    | 39,1     | 39,1    | 39.    | 39,1  | 37.1  | 39.1    | 30         | 39,1           | 39.1  |
|              | <br>20,1                      | 30,4         | 36.1     | 39,1       | 39,1           | 39,1    | 39,1     | 39.1    | 39,1   | 39,1  | 37,1  | 39.1    | 39,1       | 39,1           | 39,1  |
| _ 4          | 20,1                          | 30.4         | 39.1     | 39,1       | 39+1           | 36:1    | 30.1     | 37.1    | 37,1   | 39,1, | 39:1. | 39.1    | 37,1       | 30.1           | 39.1  |
| -            | <br>1 45                      | 30,4         | 20 1     | 30.1       | 30.1           | 30.1    | 30.1     | 39.1    | 30.1   | 40.1  | 30.1  | 30.1    | 30.1       | 39.1           | 30.1  |
| <u> </u>     | 26.1                          | 30.4         | 39.1     | 39.1       | 39 2 1         | 39.1    | 39.1     | 39.1    | 39.1   | 39.1  | 39.1  | 39.1    | 39.1       | 39 . 1         | 39.:  |
|              | <br>34,6                      | 37.1         | 47,0     | 47,0       | 47,8           | 47,8    | 47,8     | 47,8    | 52,2   | 32/21 | 52:2  | -242    | 52,2       | 22.2           | 32.2  |
| _ :          | 34,8                          | 39.1         | 47,8     | 47,8       | 47.0           | 47,8    | 47,8     | 47:2    | 325    | 32,21 | 52,2  | 22.2    | 32.2       | 52,2           | 52,2  |
|              | <br>39,1                      | 48,5         | 22,2     | 22,2       | 52:2           | - 46    | 32,2     | 52,2    | 56,5   | 36,5  | 50,5  | 30.5    | 20.5       | 20,2           | 30.5  |
| ž            | <br>47,8                      | 52.2         | \$5,2    | 65.2       | 65.2           | 65.2    | \$5.2    | 65,2    | 29,0   | 69,61 | 69,6  | 69.0    | 69,6       | 69,0           | 59,5  |
| ₫ •          | Q,FØ                          | 52.2         | 07.0     | 99 6       | 59 g 5         | 78 - 5  | 79.0     | 09 : 6: | 73,9   | 73,4  | 73.9  | 83.6    | 73,7       | 63.7           | 73,9  |
|              | <br>30 p 3                    | 60,9<br>50,9 | 78.2     | 78.3       | 78.3           | 72.3    | 78.3     | 78.3    | 87 -6  | 52-6  | 83-A  | 52.A    | 82.5       | 82.6           | 82.3  |
| <u>.</u>     | 56.5                          | : 90.9       | 78.3     | 78.3       | 78.3           | 73.3    | 78.3     | 78.3    | 8/1.6  | 62.6  | 82.6  | 92.6    | 82.6       | 82.6           | 62.6  |
|              | <br>56.5                      | 60.9         | 78.3     | 76 - 3.    | 76 = 3         | 70 . 3: | 70.3     | 76-3    | 82.0   | 52.6: | 62.56 | 02.6    | 82.0       | 02.0           | 62.5  |
| 2 E.         | 56.5                          | 60.9         | 78.3     | 78.3       | 78.3           | 78 - 3: | 78,3     | 78 . 3  | 82.6   | 62.6  | 82:6  | 82.6    | 92.6       | 82.0           | 82.6  |
|              | <br>20:5                      | : 60.Y       | 78.3     | 70 (3)     | 75.3           | 76 - 3  | 75.3     | 7553;   | \$2,6: | 82.0  | 02.0  | 45 * 01 | 02.0       | 92,5           | 82.0  |
|              | <br>36,3                      | 60,9         | 75,3     | 75,3       | 75 43          | 7993    | 75,5     | 70,3    | 52,6   | 8,0   | 82,6  | 02,6    | 62,6       | 22,0           | 82,6  |
|              | 20,2                          | 60,9         | 75.5     | . 67.0     | 57:0           | 67 40   | 67 ¢ 01  | 67 70;  | 7193   | 7153  | 71.5  | 7100    | 71,55      |                | V1:5  |
| _ `          | <br>30}2                      | 60.9         | 1092     | 9/gU       | 07 <u>1</u> 0. | 4/10    | 87.0     | 87. N   | 74 9 2 | 71,5  | 7150  | 765     | 71/2       | 745            | 4712  |
| _            | 56.5                          | 60,9         | 78.2     | 87.0       | £7.0           | 87.0    | 87.C     | 87.0    | 91.3   | 91.3  | 91.3  | 91.3    | 91.3       | 91.3           | 91.3  |
|              | <br>26,5                      | 00.9         | 78.3     | 87.0       | 57.0           | 87.0    | 87,0     | 87.0    | 91.8   | 91,3  | 71.3  | 91.3    | 91.3       | 71,3           | 91.3  |
| <u> 1</u> 22 | 56,5                          | : 60∍9       | 70,3     | 87,0       | 8740           | 87.0    | 87,0     | 87,0    | 91,3   | 71,3  | 81.43 | 71.3    | 91/3       | 91 <i>j</i> 3: | 91,2  |
|              | <br>30,3                      | 90.5         | 78,3     | 679U       | 9710           | 8710    | 87,0     | 67,0    | 71,3   | 95,7  | 95,7  | 43.7    | 95,7       | 25,7           | 75,7  |
| 2            | 56,5                          | 60,9         | 70,3     | 67.0       | 87#C           | 87.0    | 87,0     | 67,0    | 71,3   | 95,7  | 95:7  | 95,7    | 95/7       | 95,7           | 95,7  |
| - t          | <br>20,7                      | 607          | 7673     | 67,0       | 6712           | 57,0    | 9770     | 57,0    | 2397   | 100.0 | 10010 | 100.0   | 00.0       | 00 3           | O O S |
|              | <br>90}<br>\$- <del>33-</del> | 60,9         | 10≨0<br> | 97.0       | 07,0           | 9/10    | #7 + C   | 6/00    | 72,7   | 100 B | 100,0 | 10010   | AN SE      | 1 U U 3 U      | 00.0  |
| 3            | 56 ¥ 9                        | 60.9         | 78,3     | 67.0       | 87.0           | 87 - 0  | 87,0     | 87.0    | 95.7   | 100.0 | 100.0 | 100.0   | 00.0       | 00.0           | 00.C  |

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TATA PROCESSING DIVISION ETAC/USAF AIR WEATHER SETVICE/WAS

SKY COVER

39199 SIEGERENRG GERMANY GUNNERY RANGE 68470

# FERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURS OBSERVATIONS

| ur we        | -1.7<br>-1.7 |       |  | eg≨ e v⊺a               | *     | * 1×*             | : A         |            |              |                       | eran<br>eran<br>erane | 0 #<br>%1 0+<br>0# |
|--------------|--------------|-------|--|-------------------------|-------|-------------------|-------------|------------|--------------|-----------------------|-----------------------|--------------------|
| ا الله       | <u> L</u> L  | 1.1   |  | 2.4                     |       | ÷. •              | 1,5         | 4,2        | 10.5         | \$_*£\$               | 8 . 8                 | 274                |
| PEB          |              | 7.10  | 4 a G  | ***                     | 2.1   | ޱ≜                | <b>\$.1</b> | 12.0       | <b>6.4</b>   | 51.4                  | 9.5                   | 355                |
| m <u>a</u> r |              | 13:1  | 714  | 17                      | 2.9   | 3.1               | 2.0         | 914        | 7:5          | ∳Q∌Ç                  | 7,8                   | 427                |
| APA          |              | 19.4  | :1   | . 9                     | * # # | 1:0               | 2,5         | 11.3       | 1=15         | 48.2                  | 7:3                   | 498                |
| FVA          |              | ♠ • ? | 16   | 2,7                     | 16.2  | ĵ0.4              | 10.3        | 21.1       | 12.7         | 27,0                  | 7:3                   | 312                |
| <u>Juh</u>   |              | 6 . 5 | 1,3  | 2.5                     | 14:4  | <b>♦ 2 8</b>      | <b>₽</b> ę  | 15.3       | 16:4         | \$Q+5                 | <b>6.</b> 7           | <u> </u>           |
| JYL          |              | 25:4  | 5.1  | 2.0                     | 4.9   | 5,5               | <b>£</b> 14 | <b>9</b> 5 | 11.9         | 27,5                  | 1.0                   | 707                |
| 4 <u>L</u> Q |              | 9:1   | 219  | <b>4</b> <sup>3</sup> 3 | 7,4   | }0 <sub>1</sub> 4 | 19.0        | 12.3       | 9,1          | 32.0                  | ٥ <b>۽</b> ۾          | 647                |
| 367          |              | 14:¢  | 4.2  | 7,0                     | 7:0   | 9.5               | ė.          | 19:0       | IG.6         | 20:2                  | 9:1                   | 6 <b>7</b> 1       |
| 2 <b>6</b> 4 |              | 9 1 7 | 1:0  | <u>2</u> ę 6            | 3 + 5 | 2.9               | 9:5         | 12.1       | 4.7          | 21:3                  | 7 (7                  | 673                |
| ₩ĎV          |              | 214.  | 150<br>150<br>150<br>150<br>150<br>150<br>150<br>150<br>150<br>150 | \$ 2 P                  | 213   | \$.C              | 4 9<br>4 8  |            | <b>1</b> • • | <b>∮</b> ∮ <u>1</u> ? | <b>9 2 9</b>          | 4 <i>3</i> 1       |
| DEC          | -            | 17.0  | ££   | 1.6                     | 2.9   | 1.9.              | 1.7         |            |              |                       | . 1 <u>. 3</u>        |                    |
|              |              | 10.6  | _2_2_  |                         | 5.7   | 2.0               | <b>3.</b> 9 |            |              |                       | 7.4                   |                    |

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DATA PROCESSING DIVISION BTAC/USAP AIR WEATHER SERVICE/MAC

SKY COVER

34199 SIEGENBURG GERMANY GUNHERY RANGE

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PERI, D

JA<sup>k</sup>

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY CBSERVATIONS)

| MCP4TH         | HOURS |                                       | 26        | RCENTA SE | FREGUENCE | CE EMMAS         | OF "C"A. SI | KY COVER |             |            |      | MEAN<br>-TENTHS OF | 101AL<br>NO 01 |
|----------------|-------|---------------------------------------|-----------|-----------|-----------|------------------|-------------|----------|-------------|------------|------|--------------------|----------------|
|                | 181   | · - C                                 | 2         | 3         | 4         |                  | _ é         | •        | ĉ           | <b>;</b> _ | . ?  | SKY COVER          | 085            |
| JAN            | 00=02 |                                       |           |           |           |                  |             |          |             |            |      |                    |                |
| '              | 03=05 |                                       |           |           |           |                  |             |          |             |            |      |                    |                |
| f<br>;         | 06=08 | 4.4                                   |           | 8*0       | 1.8       | 4.4              | 1,8         |          | 7.0         | 6.1        | 71,9 | . 8:3              | 114            |
| 1              | 09-11 | 19.                                   |           | 6 ق       | 2,7       | 3.0              | 217         |          | 7:1         | 9 • 8      | 72:3 | 9 . 2              | 112            |
| )<br>}         | 12-14 |                                       |           | • 8       | 7,3       | 9:5              | . A         |          | 8 . 2       | 13.6       | é415 | 8 . 9              | 119            |
| l<br>İ         | 15-17 | ~                                     |           | 5.0       | 17,5      | \$ <b>.0</b> .   | *           |          | 2,5         | 12.5       | 97,3 | 8.2                | 40             |
|                | 18-20 |                                       |           |           |           |                  |             |          |             |            |      |                    |                |
|                | 57-53 |                                       |           |           |           |                  |             |          |             | -          | -    | -                  |                |
|                |       |                                       |           |           |           |                  |             |          |             |            |      |                    | ,              |
|                |       |                                       |           |           |           |                  |             |          |             |            |      | ,                  | . !            |
| 1              | -     | • -                                   |           |           |           |                  | <b>•</b>    |          |             | • •        |      |                    | . :            |
|                |       | · · · · · · · · · · · · · · · · · · · | ÷ 4 · · · | ŧ :       | -         | - <u>-</u> := 18 | - 4         | - •      | <del></del> | a          | ·    | a, marin           |                |
| ļ <sup>1</sup> | OTALS | 7.3                                   |           | 7.04      | 7,3       | 4.4              | 1.4         |          | 6.2         | 10.5       | 06+6 | 8.6                | 376            |

UJAF E AC TOPM 0 9 5 (OLI) PREVIOUS EDITIONS OF THIS FORM APE OBSOLETE

- BB4

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4.

DATA PROCESSING DIVISION ETAC/USAF AIR WEATHER SERVICE/MAC

SKY COVER

34199 - LEGENBURG GERMANY GUNNERY RANGE

69⇔70

PER CC

#85 #257

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

| 40NTH | HOURS  |      |     |     | PERC | EN'AGE | FREGUENC | T OF TENTH | S OF "5"A.   | IK' COVER    |      |     |  | MEAN<br>-"ENTHS OF | 101AL  |
|-------|--------|------|-----|-----|------|--------|----------|------------|--------------|--------------|------|-----|--|--------------------|--------|
| ,     | '. S.T | . 0  | -   | • - | 2    | 3      | 4 -      |            | . = =        | <b>.</b><br> | ē    | • _ |  | SKY COVER          |        |
| FEB   | .00≈03 |      |     |     |      |        |          |            |              |              |      |     |  |                    |        |
| ,     | Q3+05  |      |     |     |      |        |          |            | -            |              |      | -   |  |                    |        |
|       | 06=08  | . 41 | L.P | 2,7 |      |        | 1.8      | 3,6        | 3,5          | -            | 10.8 | 5.4 | 67.6   | 8.6                | 111    |
|       | 09-11  | . 19 | 8   | 2.7 |      |        | 2.7      | 11.7       |              |              | 7.2  | 8.1 | 64.9   | 8 . 6              | 111    |
|       | 12-14  |      |     | 2.7 |      | 2.7    | 1.8      | 4,5        | 4.5          |              | 14,4 | 8.1 | 61.3   | 8:7                | 111    |
|       | 15-17  |      | ,   | 7:7 |      | 1.9    | 1.9      | 1.9        | 15,4         |              | 15.4 | 3.8 | 51.9   | . <u>8 • 0</u> .   | 52     |
| •     | 18-20  |      |     |     |      |        |          |            |              |              |      |     |  |                    | 1      |
| ٠     | £5m23  |      |     |     |      |        |          |            |              |              |      |     |  |                    | !      |
|       |        |      |     |     |      |        |          |            |              |              | -    | -   |  | ,                  |        |
| •     |        |      |     |     |      |        |          |            |              | - *          |      |     | •  |                    | ;<br>; |
|       | -      |      | ٠   |     |      |        |          | -          | • · <i>•</i> |              |      |     |  |                    |        |
| ; ·   |        | 1    |     |     |      |        |          |            |              | ·            |      |     | <u>.                                    </u> |                    | -      |
| L     | OTALS  | 1    | 6   | 40_ |      | 1.2    | 2.1      | 5.4        | 6,1          |              | 12.0 | 6.4 | 61.4   | 8.5                | 385    |

USAF ETAC FORM 0.9.5 (OL1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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DATA PROCESSING DIV. 13% BTAC/USAF AIR WEATHER SEFVICE/MAC

A

SKY COVFR

SIEGENBURG GERHANY GUNNERY RANGE 69-70

PF# 00

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

| #0NTH    | HOURS |      |       | FERC | F~"AGE 1  | PEGLENCY | OF TENTHS    | CF TOTAL SKY | C VER  | =     |                | MEAN      | 10141        |
|----------|-------|------|-------|------|-----------|----------|--------------|--------------|--------|-------|----------------|-----------|--------------|
| *        | L S T | c    | -     | i    | : _       | 4        | • -          | -<br>        | 8 -    | ٠ -   |                | SKY COVER | 085<br>NO 01 |
| . MAR    | 00±02 |      |       |      |           |          |              |              |        |       |                |           | -            |
|          | 03=05 |      |       |      |           |          |              |              |        |       |                |           | 4            |
|          | 06=08 | 6.7  |       |      | 1.7       |          | <u>1 : 7</u> | <u>.</u> 8   | 8,4    | 9.2   | 7 <u>5 9</u> 4 | 8 2 8     | 119          |
|          | 09m11 | 12.6 | 2,5   |      |           | 2.5      | 4+2          | 3.4          | 5,9    | 5 . 9 | 43+0           | 7 • 8     | 119          |
|          | 12-14 | 13.6 | 1.7   |      | . 9       | 3,4      | 5.2          | • ?          | 9.5    | 6.9   | 37.8           | 7.6       | 116          |
|          | 15-17 | 19.2 | 1 0 4 |      |           | 5.5      | 1.4          | 2.7          | 15.7   | 8.2   | 47.9           | 7:1       | 75           |
|          | 10-20 |      |       |      |           |          | -            |              |        |       |                |           | 1            |
| <u>.</u> | 21=23 |      |       |      |           |          | -            |              |        |       |                |           | ·<br>•       |
|          |       |      |       |      |           |          |              |              |        |       | -              |           | ;            |
| ,        | ÷     |      |       |      |           |          | ۰            |              |        |       | •              |           | 1            |
| * -<br>1 |       | •    |       |      |           |          | -            |              |        |       | ×              |           | !            |
|          |       | ·    | -     |      | 1         | z        | -•           |              | · come | =     |                | ·,        |              |
| I TC     | DTALS | 13.1 | 1.5   |      | <u>.7</u> | 2.9      | 3.1          | 2.0          | 9'44   | 705   | 00.0           | 7:9       | 427          |

DATA PROCESSING DIVISION ETAC/USAP AIR WEATHER SERVICE/MAC

SKY COVER

SIEGENBURG GERMANY GUNNERY RANGE

68-70

 $\frac{\pi_0^{(1)}}{V_0^{(2)}}$ 

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

| #CN*H | ~ ,ups |            | · -  | PERCENTACE F | fe ZuENCY | CE 154144 | OF TOTAL S | 5K+ TVER | <br>• | - <u>-</u> - | MEAN<br>→"EN"HS OF<br>SKY COVER | *C*A,<br>NC O*<br>OBS |
|-------|--------|------------|------|--------------|-----------|-----------|------------|----------|-------|--------------|---------------------------------|-----------------------|
| AZR   | 00=07  |            |      |              |           |           |            |          |       |              | · .                             | _                     |
|       | 03-05  |            |      |              |           |           |            |          |       |              |                                 | 4                     |
|       | 08-08  | 6.7        | ,7 . | 1.5          | 4:4       | 3.7       | 1,5        | 7,0      | 7,4   | 66.7         | 8 <u>• 4</u>                    | 135                   |
|       | 09-11  | <b>6.7</b> |      | 1.5          | 3.0       | 2.5       | 4.5        | 10-4     | 14.2  | 50.2         | 8 + 4                           | 134                   |
|       | 12019  | 5,5        |      | 1 = 4        | 1.4       |           | 2.19       | 13.8     | 8.0   | 55.9         | 9.7                             | 138                   |
|       | 15-17  | 10,2       |      |              |           |           | 3.4        | 25.0     | 11.4  | 50.0         | 8.2                             | 8.6                   |
|       | 16,20  | 65.7       |      |              |           |           |            |          | 33,3  |              | <u>0.</u> £                     | 3                     |
|       | 21-23  |            |      |              |           |           |            |          |       | -            |                                 | -1                    |
|       |        |            |      |              |           |           |            |          | -     | -            |                                 | · •                   |
|       |        |            |      |              |           |           | -          | • -      |       | -            | •                               | 1                     |
|       | ÷ ,    |            |      |              |           |           | -          |          | -     | <b>.</b> -   | • - •                           |                       |
|       | OTALS  | 19.4       |      | . 9          | 1.8       | 1.0       | 2,5        | 11.3     | 14:9  | 48,2         | 7:3                             | 498                   |

USAF ETAC TORM O 9 5 FOLTY PREVIOUS ED TONS OF THIS FORM ARE OSSOCITE

Ŷ

DATA PROCESSING DIVISION STAC/USAF AIR WEATHER SERVICE/MAC

SKY COVER

SIEGENBURG GERMANY GUNNERY RANGE 68-70

PER CO

PLOCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

| w C Note | HOUPS  | -    |     | PER | CENTAGE     | FFEGUENCY | CF *EN*H    | 5 C+ -0.1V | SKY JOYER  |      |      |          | MEAN         | 101A.  |
|----------|--------|------|-----|-----|-------------|-----------|-------------|------------|------------|------|------|----------|--------------|--------|
| ** -     | . \$ ? | ÷ .  |     | ;   | 3           |           | · · · · · · | e .        | •          | 6    | ç    | -<br>ε = | SKY COVER    | Č85    |
| MAY      | .00±02 | -    |     |     |             |           |             |            |            |      |      | -        |              |        |
|          | 03-05  | •    | -   |     |             |           | -           |            |            |      |      |          |              |        |
|          | 06=08  | 12.6 | 3.2 | -   | <u> 5.2</u> | 9.0       | 2.2         | 2.2        |            | 11.9 | 5,2  | 48.9     | . 7:1        | 195    |
|          | 09=11  | 5.2  |     | -   | 7.5         | 11.2      | 7.5         | 5.2        |            | 2.7  | 15.7 | 37.3     | . 7.2        | 134    |
|          | 12-14  | 2.2  |     |     | .7          | 8.2       | 13.4        | 10.4       |            | 18.7 | 14.9 | 31.3     | 7.6          | 134    |
|          | 15=17  |      |     |     |             | 5.9       | 14.7        | 19.6       |            | 22,5 | 18.0 | 17.0     | 7:4          | 102    |
| -        | 16=20  |      |     |     |             | 14.3      | 14.3        | 14.2       |            | 42.9 | 14.3 |          | <u>6 . 9</u> | 7      |
| <b>F</b> | 21=23  |      |     |     |             |           |             |            |            |      |      | -        |              |        |
| *        | -      |      |     |     |             |           | ,           |            |            |      | -    |          | · ·          |        |
|          |        |      |     |     |             |           |             |            |            |      | •    |          | •            | :<br>• |
|          | -      |      |     |     |             | _         |             |            |            | -    |      | -        |              | . :    |
|          | _•     |      | 1   |     |             | · -=:     |             | =-:        | · · · · •1 |      | £    |          | ¥ ;          | · 1    |
| 7        | OTALS  | 4.0  | 46_ |     | 2.7         | 10.0      | 10,4        | 10.3       |            | 21,1 | 13.7 | 27.0     | 7.3          | 512    |

USAF ETAC FORM 0 9 5 FOLLT PREVIOUS ED TIONS OF THIS FORM ARE OBSOLETE

SATA PROCESSING DIVISION ETAC/USAF AIR WEATHER SERVICE/MAC

I

SKY COVER

STEGENBURG GERMANY GUNNERY RANGE

9<u>F#8</u>6

July Mark

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS:

| WCN*H | HOURS  |            | ,         | PER         | CEN"AGE | FREGUENC | OF TENTH | 5 OF TOTA. | SKY COV | EP -       | <i>-</i>    |              | "EN"HS OF    | *0*AL |
|-------|--------|------------|-----------|-------------|---------|----------|----------|------------|---------|------------|-------------|--------------|--------------|-------|
|       | 1 S T  | . ° .      | ,         | 2 .         | ٥       | . 4      | •        | <b>.</b>   |         | - 8        |             | e            | SKY COVER    | CBS   |
| . JUN | .00±02 |            |           |             |         |          |          |            |         |            |             |              |              |       |
|       | .03mc2 |            |           |             |         | 40.0     |          |            |         | 40.0       | 20.0        |              | 6.6          | 5     |
|       | 00+08  | 24.4       | 3,7       |             | 3.7     | 3.7      | 4.9      | 6,7        | -       | 7.3        | 14.6        | 31.1         | 6.0          | 164   |
|       | 09-11  | 18,9       | <u>.6</u> | •           | 4.8     | 9.0      | 9.0      | 9.6        |         | 1104       | 10.3        | <u>30:</u> 7 | 6 • 5        | 166   |
|       | 12-14  | 315        | 1.2       |             | 3.1     | 7.4      | 11.7     | 13.6       |         | 17,3       | 17.3        | 25.9         | 7.3          | 162   |
|       | 15-19  | 1.08       | • ?       |             | 4 • 6   | 11.9     | 9.3      | 19.3       | -       | 15.6       | <u>21.1</u> | 16.5         | 7+0          | 109   |
|       | 18-20  |            |           |             |         |          |          |            |         |            |             |              |              | ٠     |
|       | 21-23  | -          |           |             |         |          |          |            |         |            | -           | -            | . ,          | •     |
|       |        |            |           |             |         |          |          |            |         |            |             | _            |              |       |
| •     |        | •          |           |             |         | -        |          | ,          |         |            | ·           |              |              |       |
| i     |        |            |           |             |         |          |          |            |         | - <b>-</b> | •           |              | •            | }     |
|       |        | <b>1</b> * |           | •           |         |          |          |            | r===    | t          | aten er e   | · · · · ·    | <del>-</del> | -     |
| T-    | OTALS  | 8.5        | 1.3       | <del></del> | 3.2     | 14.4     | 6.3      | 9,8        |         | 18'3       | 16.8        | 20.8         | 207          | 606   |

DATA PROCESSING CIVISIC ETAC/USAF AIR WEATHER SERVICE/MAC

Name of

SKY COVER

SIEGENE RO GERMANY GUMMERY RAMGE +08-70 34199

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100 E

# PEPCENTAGE FREQUENCY OF OCCURRENCE FROM HOUR Y OBSERVATIONS

| #CN*#       | HOURS<br>. S * | ·    |            | + ERC | ***** .* · |       | ~ EM**     | J- 2** 3 | *1 _0/tF | -              |              | =    | MEAN      | *0*A. |
|-------------|----------------|------|------------|-------|------------|-------|------------|----------|----------|----------------|--------------|------|-----------|-------|
|             | . 5 *          |      | •          |       |            | -     |            |          | ~        | ä              | :            |      | SKY LIVER | -60   |
| <b>1</b> ñF | .00=02.        | •    |            |       |            |       |            |          |          |                |              |      |           | 4     |
|             | 03=C5          |      |            |       |            |       |            |          |          |                |              |      |           |       |
|             | 06=08          | 28.2 | 3.7        |       | 3:2        | 2+2   | ě'à '      | 2.7      |          | 9,4            | 7 <u>*</u> 4 | 39:4 | . 5,5     | fea   |
|             | .09=11         | 29.9 | \$.2       |       | 316        | 1,5   | \$ - \$    | 4.1      |          | 9.3            | 7.7          | 38.0 | 5,5       | रिवेस |
| •           | 12=14          | 21:1 | 4.7        |       | 4.7        | 3,3   | 4,2        | 11 sh .  |          | 1920           | 16,8         | 28.0 | 2:5       | 199   |
|             | 15-17          | 22.2 | 6,7        |       | 310        | 9 6 0 | <u>6.7</u> | 14.8     |          | 5:1            | 12.6         | 16:3 | 5.2       | 135   |
|             | 18=20          |      |            |       |            |       |            |          |          |                |              |      | -         |       |
| <b>.</b> .  | .21 <u>=23</u> |      |            |       |            |       |            | ~        |          |                |              |      |           | •     |
|             |                |      |            |       |            |       |            | ÷        |          |                |              |      |           |       |
|             |                |      |            |       |            |       |            |          |          |                | •            |      | *         |       |
| • —         |                | •    |            |       |            |       | -          | -        |          |                |              |      |           |       |
|             | _              | p •  | <u>.</u> . |       | -          |       | <b>t</b>   | ,        | <u></u>  | - <u>.</u> - : | · ··         | -    | ,         | - ~4  |
|             | OTALS          | 25.4 | 5.1        |       | 3.6        | 6.9   | 4.5        | 824      |          | 8.4            | 11.0         | 27.6 | 5,6       | 707   |

USAF ETAC FOR 0.9.5 (OLI) PREVIOUS ET TONS OF THIS FORM ARE 0-50 + 2

CATA PROCESSING CIVISION ETAC/USAF AIR \*EATHER SERVICE/MAC

SKY COVER

34199 SIEGENBURG GERMANY QUNNERY RANGE 69-70

\*6\* 00

# PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

| #0N*# | , -Cups |       |       | P£ | ROFNTAGE | FEGUENO |       | : 0f TOTA: | _<br>56% _\$+\$#<br>- |             |      | UEAN<br>TENTHU OF | 137A.<br>No of      |
|-------|---------|-------|-------|----|----------|---------|-------|------------|-----------------------|-------------|------|-------------------|---------------------|
| •     |         | •     | -     | •  | •        | 4       | -     | ÷ .        | • •                   |             | • -  | SK+ ^C+E#         | 05 <sub>9</sub><br> |
| AUG   | 00=02   |       |       |    |          |         |       |            |                       |             |      |                   | ,                   |
|       | 03+05   |       |       |    |          |         |       |            |                       |             |      |                   |                     |
|       | Õę≅0§   | 8 4 5 | 2,0   |    | 3.4      | 5.0     | 7 • 9 | 6.1        | 9 • 5                 | 8 • 4       | 48°0 | 7 • 6             | 179                 |
|       | .09-11  | 13.0  | 3.4 9 |    | 3.5      | 6.0     | 6.6   | 7.2        | 12,7                  | <u> ۾ ڇ</u> | 40,9 | 617               | 101                 |
|       | 12-14   | ė.?   | 2.2   |    | 5.1      | 6*9     | 9 . 6 | 17±4       | 11,2                  | 10.7        | 27:5 | 6:7               | <u>.78</u>          |
|       | 15±1.7  | 2.8   | 2.8   |    | 4,6      | 8,3     | 17.4  | 21:1       | 15.6                  | 12.8        | 14.7 | 6,5               | 109                 |
|       | 18-20   |       |       |    |          |         |       |            |                       |             | =    |                   | •                   |
|       | 21-23   |       |       |    |          |         |       |            |                       |             |      |                   |                     |
|       |         |       |       |    |          |         | -     |            |                       |             |      |                   |                     |
|       |         |       |       |    |          |         |       |            |                       |             |      |                   |                     |
|       |         |       |       |    | -        |         |       |            | •                     | -           |      |                   |                     |
|       | -       | r     | =     |    |          |         |       |            | <b>1</b>              | * ~ —       | e. · | <del>,</del> •    | - ==== 9            |
|       | O'A.S   | 8.1   | 2.9   |    | 4.3      | 7.4     | 10.4  | 13,0       | 12,3                  | 9.1         | 92.8 | 6.8               | 647                 |

USAF ETAC FORM 0.7.5 OLE PREVIOUS OF THIS FORM ARE DESCRETE

DATA PROCESSIVE DIVISION ETAC/USAF ASS -EATHER SERVICE/FAC

SKY COVER

SIEGENBURG GERMANY GUNNERY RANGE 68-79

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

|     |              |      | -            | FERCENTA DE P | REGUEN. |      | 27 TOTAL 1811 | 15 + 62 |       |      | MEAN          | TOTAL |
|-----|--------------|------|--------------|---------------|---------|------|---------------|---------|-------|------|---------------|-------|
|     | . <b></b>    |      | -            |               | 4       |      | :             | =       | •     | ;    | SKY COVER     | 085   |
| SEP | 00=02        |      |              |               |         |      |               |         |       |      |               |       |
|     | .Q8#Q5       |      |              |               |         |      |               |         |       |      |               |       |
|     | <u>06≃08</u> | 11.5 | 2.2          | 7.1           | 4.4     | 8.7  | é.ç           | 13.7    | 8.2   | 38.3 | 619           | 153   |
|     | 09=11        | 23.1 | 3.2          | 6.5           | 7.0     | 5.4  | 5.9           | 11.3    | 13.4  | 29.2 | 5.17          | 186   |
|     | 12-14        | 12.5 | 7 <u>+ 1</u> | 3,3           | 9.8     | 8.2  | 8,2           | 17:4    | 11.14 | 22.3 | <u> </u>      | 184   |
|     | 15-17        | 11.9 | 4 . 2        | 11.0          | 9,3     | 16.1 | 5.1           | 12.7    | 9,3   | 20.3 | <u>5</u> ±7 . | 118   |
|     | 18e20        |      |              |               |         |      |               |         |       |      |               |       |
|     | 21023        |      |              |               |         |      |               |         |       |      | -             |       |
|     |              |      |              |               |         |      |               |         |       |      |               | 4     |
|     |              |      |              |               |         | •    |               |         |       |      |               | Ť     |
|     |              |      |              |               |         |      | •             | -       |       |      |               |       |
|     |              |      | -            | ٠ .           |         | :    | -             |         |       |      |               |       |
|     | C*4\S        | 14.5 | 4.2          | 7.0           | 7,6     | 9.5  | 6.3           | 13.8    | 10.6  | 26.3 | 6.1           | 571   |

USAF ETAC FORM 0.9.5 Clar PREVIOUS ED TONE OF THIS FORM ARE CASO ETE

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DATA PROCESSING DIVISION ETAC/USAF AIR REATHER SERVICE/MAC

- Breeze

SKY COVER

SIEGENBURG GERHANY GUNNERY RANGE 69-70

# PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY DESERVATIONS

|     |                  | PERCENTAGE (REQUENCY OF TENTH, OF TOTAL AFT OVER |      |   |       |       |            |      |       |      |            | L'A   |
|-----|------------------|--|------|---|-------|-------|------------|------|-------|------|------------|-------|
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| בסב | ₹ 00 <u>+</u> 92 |  |      |   |       |       |            |      |       |      |            |       |
|     | ŎġēOġ            |  |      |   |       |       |            |      |       |      |            |       |
|     | 06=05            | 1.1  | 2.6  | 1 | ,6 3, | 2 1.1 | 2 • 1      | 5,8  | 5 , 8 | 76.8 | 9,0        | 190   |
|     | 09-11            | 2.7  | 3.1  |   | , 5 . | 5 2.6 | 4,6        | 11,8 | 9,2   | 61.0 | 813        | 195   |
|     | 13-14            | 12,C   | , 5  | 2 | :1 4, | 2 5,7 | 8 . 9      | 13.0 | 9 • 4 | 44,3 | . 7±4      | 192   |
|     | 15e17            | Ĭ8 • 8   |      | ó | .3 7. | 3 6.3 | 10:4       | 17.7 | 10.4  | 22.9 | 6:1        | 96    |
|     | 78≈ <u>50</u>    |  |      |   |       |       |            |      |       |      |            |       |
|     | \$1-5 <b>\$</b>  |  |      |   |       |       |            |      |       |      | -          |       |
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|     | -                |  |      |   | -     |       | -          |      |       |      |            |       |
|     |                  | T  |      | * | 2     |       | ~ <b>3</b> | =-   | . 1   |      | * *        |       |
|     | *CTALS           | 9.7  | _ 14 |   | ,6 3. | 8 3,9 | 6,5        | 12:1 | 8.7   | 51,3 | 7.7        | 673   |

DATA PROCESSIN. PIVISION STAC/USAF AIR #SATHER SERVICE/MAC

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SKY COVER

34199 SIEGENBURG GERHANY GUNNERY RANGE 68-70

N.O. ...

PERCENTAGE FREQUENCY OF OCCUPRENCE FROM HOUPLY DESERVATIONS

| #0N** |                    | -   |       | FEFTENTAT : | ANGLENIN | StiteMin | ir tita ur | .0 :4 |     |      | ;    | MEAN<br>SENTHS OF | 0 TA.<br>NO 01<br>085 |
|-------|--------------------|-----|-------|-------------|----------|----------|------------|-------|-----|------|------|-------------------|-----------------------|
| MOY   | .00≠02             |     |       |             |          |          |            |       |     |      |      |                   |                       |
|       | 03 <del>+</del> 05 |     |       |             |          |          |            |       |     |      |      |                   |                       |
|       | <u>06≂08</u>       | £9  |       | 2:4         | . 9      | 5,2      | 4:3        |       | 3,4 | 0,0  | 75,9 | 8:7               | 114                   |
|       | 29-11              | 4.1 | .5    | 616         | 2.25     | 4.1      |            |       | 343 | 10.7 | 67,5 | ۈ <u>.</u> 8      | 131                   |
| -     | 12=14              | 2,6 | o . l | 3,5         | 1.7      | 216      | 2,6        |       | 6.1 | ė,7  | 66,1 | 8 • 6             | 115                   |
|       | 15=17              | 6.1 | 8,2   | 4,1         | 4:1      | 3,2      | 2.0        |       | 5,2 | 10,2 | 49,0 | 7:4               | 40                    |
|       | 18450              |     |       |             |          |          |            |       |     |      |      |                   |                       |
|       | £5e15.             |     |       |             |          |          |            |       |     |      |      |                   |                       |
|       |                    | -   |       |             |          |          |            |       |     |      |      |                   | •                     |
|       | -                  | -   |       |             |          | •        |            |       |     |      | -    |                   | ž                     |
|       | OTALS              | 3,4 | 3.8   | : 4.4       | 2.3      | 5:0      | 2.2        | - 1   | 5.3 | 8.9  | 04.7 | 8 <b>.</b> iş     | 401                   |

DATA PROCESSING PIVISION ETACYUSAF AIR REATHER SERVICE/MAC

SKY COVER

SIEGEMBURG GERHANY GUNNERY RANGE 68-70 34199

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PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OF SERVATIONS

| won' | _ ~ÇÇ\$                                | -    |       | ÞĘ | B 15 NTA QE |     | Or tening | 4*0* 0 t | ex Toxes |          |      | WEAR        | ************************************** |
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| -    | <b>\$</b> -                            | ÷    |       | 3  | -           | •   |           | • .      |          |          | -    | 84 CO + 64  | , Š.                                   |
| DEC  | 00-02                                  |      |       |    |             |     |           |          |          |          |      |             |  |
|      | Q9±05                                  |      |       |    |             |     |           |          |          |          |      |             |  |
|      | 04-08                                  | 1310 | 1.4   |    |             | 3.1 | 2.9       | 2.1      | 4.       | 3 2,1    | 71.0 | <u> 5,1</u> | 150                                    |
|      | 09-11                                  | 12.8 |       |    | 2.3         | 1,5 | 2,3       | 4,5      | ģ,       | Q 3,8    | 66.9 | §⊕Ç         | 133                                    |
|      | 12=14                                  | 13,4 | 1.27  |    | 4,2         | 3,4 | 2.5       |          | 9.       | 2 4,2    | 61.3 | . 717       | 119                                    |
|      | 15-17                                  | 3014 |       |    |             | ÷.7 |           | •        | 122      | <u> </u> | 43.5 | 6.1         | <u> 23</u>                             |
|      | 15-20                                  |      |       |    |             |     |           |          |          |          |      |             |  |
|      | 21=23                                  |      |       |    |             |     |           |          |          |          |      |             |  |
|      |  |      |       |    |             |     |           | -        | *        | -        |      |             |  |
|      |  |      |       |    |             |     |           |          |          |          | •    |             | _                                      |
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|      |  | -1   | -= -1 |    |             |     |           | -        | ~ · ·    |          |      | - <b></b>   |  |
|      | ************************************** | 17.6 | .8    |    | 1.6         | 3,9 | 1.9       | 1.7      | 8;       | 1 3.6    | 60.8 | 7.5         | 618                                    |

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## PSYCHECTETTIC SUMMER ES

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  - a. The second of the content of t
    - NULL: A particular frequency in this table of 1.0° represents one or more confirmations amounting to less than 1.05 percent.

- b. Somethingest acts for the Emperical Characters of February manifely, expected, wet-cale, and elveromet Temperatures are smooth in the social at the sotten left of the forms. There consist of the can of the (DXP), sums of values (EX), name (E), and standard tevistions (SX). The number of operations used in the computations for each element is also shown.
- e. At the lower right of the form are given the mean number of hours of cocurrence for our runges of dry-pulls, net-blue, and cov-pulse temperatures, and total number of abuse purelies in the general represented. Then number of hours is shown to tented and indicates real number of cours per year in the should current, or mean number of noise per minth in the terristical or minth.
  - MOTE: Motivable to moreture usedly was not reported prior to 1940. It lastwe numbers, usually was not reported prior to 1949, nor succeptent to Jims 1930; and was computed by maintine methods for oclemations recorded during these periods. All values of law-plant teleperature and relative hamidity are with respect to veter, unless otherwise indicatel.
- 4. Motes and average deviations These tobal stions are derived from hourly electronisms and present the motes, Underland to allege, are total number of observations for the eight standard 3-apar groups, by month and annual and spring of the following:

  - a. Dry-bulb temporatureb. Yet-bulb temporature
  - e. Daw-point tamparature
- 5. Completive percentage from ent. of occurrence of relative mediator This surrory is derived from hourly occurrence or relative numberive percentage frequency of occurrence or relative numberive by inorements of 10% classes, plus the mean relative har dity and total master of perentations in two tables.
  - a. Table 1 is prepared by Lenten and annual, all years combined, -its routs being the vertical argument.
  - b. Table 2 is prepared by month by standard 3-hour groups, with the hour groups being the vertical engineers and a separate page for each month. All years are also embined for this summary.

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TATA PRICESSING DIVISIDA USAF ETAC AIR GEATHER SERVICE/NAC

#### PSYCH POMETRIC SUMMARY

34199 SIEGENBURG GERMANY GUNNERY RANCE 68-70

PAGE 1

WET BULB TEMPERATURE DEPRESSION F 1 2 3 4 5 6 7 8 9 10 11 12 13 4 15 16 17 16 19 20 21 27 23 24 25 24 21 28 29 3 73 94/ 93 9C/ 89 88/ 67 ¢ :1 86/ 83 84/ 83 82/ 81 8C/ 79 37 · 2 56 70/ 77 76/ 75 74/ 73 8 57 427 127 207 257 139 72/ 70/ 59 149 212 178 235 149 38/ 67 66/ 55 212 178 255 64/ 53 62/ 61 266 287 273 338 59 57 266 60/ 58/ 287 .6 1.5 .4 1.2 .4 1.7 .3 .9 1.0 2.4 .5 1.1 .4 1.5 .3 2.4 .7 2.0 .5 2.6 .4 3.0 1.4 1.8 1.8 2.6 350 55 53 350 335 307 56/ 201 261 367 375 541 255 255 175 346 261 677 32/ , 2 , 3 175 50/ 49 48/ 47 46/ 45 361 207 361 207 311 187 242 44/ 43 133 236 40/ 39 38/ 27 36/ 39 34/ 2 247 247 203 377 245 249 212 298 255 271 236 236 233 266 206 206 336 32/ 31 1.8 2:6 290 290 214 30/ 29 1.6 196 196 269 213 175 132 28/ 27 26/ 25 1.3 .0 . 6 123 123 144 103 103 100 Mean No. of Hours with Temperature Dry Buil Wet Bulb

1. ODM 0.26-5 (OLA) IIVISO MINOUS IOMONS OF THIS FOR. II OBSOLITE

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LATA PROCESSING DIVISION USAF ETAC AIR REATHER SERVICE/MAC

### PSYCHROMETRIC SUMMARY

| <u>हिन्दर इस्</u>  |              | STAT ON NAME   |                         |                     |  |  | PAGE 2             | ۵                                     |
|--------------------|--------------|----------------|-------------------------|---------------------|--|--|--------------------|---------------------------------------|
|                    |              |                |                         |                     |  |  | A ZUA              |                                       |
| Temp               |              |                |                         | ATURE DEPRESSION    |  | A. A. A. A. A. A. A. A. A. A. A. A. A. A | *3*AL<br>36 #8 5,6 | TUTAL<br>Wenger                       |
| 24/ 23             | 1(5.1.0      | 2.6 1.8 4.1    | 0 11 - 12 13 14         | 15 - 16 17 18 19 20 | 21 22 23 24 25 26                            | 27 28 29 3 83                            | 160 16             | _                                     |
| 22/ 21             | .5 .3        |                |                         |                     |  |  | 48 4               |                                       |
| 20/ 19             | 5 3          | ·              |                         | •                   |  | -  | 47 4               |                                       |
| 18/ 17             | .3 .1 .0     |                |                         |                     |  |  | 3^ 3               |                                       |
| 16/ 15             | . 4: . 0:    | ·· ·           |                         | - · · -             | * •  |  | 28 2               | 8 31                                  |
| 14/ 13             | · 3 · 1 · 0  | ·              | ·• · •                  |                     |  |  | 26 2               |                                       |
| 12/ 11             | .2 .0        |                |                         |                     |  |  | 16 1               |                                       |
| 10/ 9              | . 2 0.       | , <u></u>      | <del></del>             | <del></del>         | · —————                                      |  | <u> </u>           | 4. 15                                 |
| 8/ 7               |              |                |                         | ;                   |  |  | 5                  | 5 4                                   |
| 6/ 5               | •1 •1.       | ·              |                         | <del>_</del>        | <del>,</del>                                 |  | <del>9</del>       | 9 8<br>3 3                            |
| 2/ 1               |              | '              | ' 1                     |                     | }  |  | ,<br>5             | 2<br>8 7                              |
| <del>- 67 =1</del> | •1 •0<br>•1  | r              | <del></del>             |                     | <del></del>                                  |  | ž.                 | 2 4                                   |
| -2/ -3             | .1           | :              |                         |                     |  |  | 4                  | 4 4                                   |
| 84/ 85             | 1 1          | ·              |                         |                     | +  | •  | 6                  | 6 6                                   |
| m6/ →7             | 1            |                |                         |                     |  |  |                    |                                       |
| TOTAL              | 17.933.415.2 | 8.5 7.5 5.     | 4. 5.1 3.9              | 1.9 .9 .3           | 1  |  | 634                |                                       |
|                    | <br>         | ·              |                         |                     | ······································       |  | 6343               | 6343                                  |
|                    | 1            |                | , ,                     |                     |  |  |                    |                                       |
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|                    |              |                |                         |                     | ļ  |  |                    |                                       |
|                    | , ,          | 4 4            |                         | f<br>s              | '  | !  |                    |                                       |
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|                    |              |                |                         |                     |  | 1  |                    |                                       |
|                    |              |                |                         |                     |  | 1  |                    |                                       |
| Element (X)        | ΣΧ'          | 2 x            | <u>χ</u> σ <sub>χ</sub> | 120. Obs.           |  | Mean No of Hours                         | rith Temperature   | ~                                     |
| Rel. Hum           | 40097756     | 491908         | 77.617.5                | 33 6343             | ≤ 0 F   ≤ 37 F                               | ≥67 F ≥ 73 F                             | ₹80 F , - 1        |                                       |
|                    |              | 491908         |                         | 33 6343<br>56 6344  |  | 267 F 273 F                              | 8 254 C            | 3.2                                   |

## PSYCHROMETRIC SUMMARY

34199 SIEGENBURG GIRMANY GUNNERY RANGE 69-70

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|             |                  |                                       |          | EMPERATUR                              | •             |                                       |              |               |            | TATA.       |            | STAL                       |
|-------------|------------------|---------------------------------------|----------|--|---------------|---------------------------------------|--------------|---------------|------------|-------------|------------|----------------------------|
| , F         |                  | 5 6 7 8 9 10                          | 0_11 12, | 13 - 14 15 - 1                         | 6 17 18 19 2. | 21 22 23                              | 1 24 IT 15 I | 25 25         | 2 - 3      | 5048        | 5 . E . m  | er =                       |
| 44/ 43      | 1.3              |                                       |          |  |               |                                       |              |               |            | 5           | 5          |                            |
| 42/ 41      | 2.1 .5           | ,                                     |          |  |               |                                       |              |               |            | 10.         | 3C<br>73   | ą                          |
| 40/ 39      | 4,8 ,5           | 5                                     |          | -                                      |               | •                                     |              |               |            | 20          | žč         | Ė                          |
| 38/ 37      | 3.7              |                                       |          |  |               | _                                     |              |               |            | 14          | 1.4        | 22                         |
| 35/ 35      | 5.6              |                                       | •        | - •                                    | •             | •                                     |              |               |            | Žİ          | 2 1        | 22                         |
| 34/ 33      | 4.2 4.2          |                                       |          |  |               |                                       |              |               |            | 32          | 32         | 48                         |
| 32/ 31      | 5.0 9.5 .3       | S;                                    |          | •                                      | • • •         |                                       | •            |               |            | 36          | 56         | 36                         |
| 30/ 29'     | 2.9 4.2          |                                       |          |  |               |                                       |              |               |            | 27          | 27         | 43                         |
| 28/ 27      | 3.4 2.1          |                                       |          |  |               | · •                                   |              |               |            | 21          | ŽĪ         | 23                         |
| 26/ 25      | 6.9 2.1          |                                       |          |  | E             |                                       |              |               |            | 34          | 34         | 32                         |
| 24/ 23      | 12.5 2.7         |                                       |          |  |               |                                       |              | •             | •          | 47          | 59         | 32.<br>56                  |
| 22/ 21      | 4.8 .3           |                                       |          | ,                                      | 1             | 1 1                                   |              |               |            | 19          |            | 25                         |
| 20/ 19      | 5.0 1.1          | ·                                     |          |  |               | <del></del>                           |              |               |            | ŽŽ          | 19<br>23   | 25<br>20                   |
| 18/ 17      | 2,9              |                                       |          |  |               |                                       |              |               |            |             | 11         | 1.5                        |
| 16/ 15      | 3,2              | *                                     | • •      |  | • • •         |                                       |              | •             | •          | . 11        | 11.<br>12. | $\frac{1}{1}\frac{a}{2}$ . |
| 14/ 13      | 1.6              |                                       | :        | i                                      |               |                                       |              |               |            | *6          | 6          | 6                          |
| 12/ 11      | . 8:             |                                       |          |  |               |                                       |              |               | +          | · §.        | · š.       | š.                         |
| :0/ 9.      | 1.1              |                                       |          |  |               |                                       |              |               |            | 4           | Ž          | 4                          |
| 8/ 7        | . 5              |                                       |          | <del></del>                            |               |                                       |              |               |            | 7           | ·          | 2                          |
|             | 54.943.8 1.3     | 3,                                    | 1        |  |               |                                       |              |               |            | ~           | 377        |                            |
|             |                  | ·                                     |          |  |               |                                       |              |               |            |             | . = .      |                            |
|             | 1                | The second second second              |          |  |               |                                       |              |               |            | 37          |            | 377                        |
|             |                  | 1                                     | •        |  |               |                                       |              |               |            | 37          |            | 377                        |
|             |                  | · · · · · · · · · · · · · · · · · · · |          |  |               |                                       |              |               |            | . 37 °      |            | 377                        |
|             | •                | · · · · · · · · · · · · · · · · · · · |          |  |               | · · · · · · · · · · · · · · · · · · · | <del></del>  | <b>E</b> = 4- |            | <u> </u>    |            | 377                        |
|             |                  | 4                                     |          |  |               |                                       | <del></del>  | # ···         |            | 37.         |            | 377<br>-                   |
|             |                  |                                       |          |  |               |                                       |              | *             |            | 37.         |            | 377<br>-                   |
|             |                  |                                       |          | ************************************** |               |                                       |              |               |            | 37          |            | 377                        |
|             |                  |                                       |          | ************************************** |               |                                       |              |               |            | 37          |            | 377<br>-<br>-              |
|             |                  |                                       |          |  |               |                                       |              |               |            | 37          |            | 377                        |
|             |                  |                                       |          |  |               |                                       |              |               |            | 37          | • • •      | 377<br>-<br>-<br>          |
|             |                  |                                       |          |  |               |                                       |              |               |            | 37 °        | • • •      | 377<br>-<br>-<br>          |
|             |                  |                                       |          |  |               |                                       |              |               |            | 37          | • • •      | 377<br>-<br>-<br>          |
|             |                  |                                       |          |  |               |                                       |              |               |            | 37          |            | 377<br>-<br>-<br>          |
|             |                  |                                       |          |  |               |                                       |              |               |            | 37          |            | 377                        |
| Element (X) | Z <sub>Y</sub> , | 2 7                                   | 7        | σ.                                     | No. Obs.      |                                       |              | Mean No.      | - I Hours  |             |            | 377                        |
| Element (X) | 2x, 32 : 675     | Z <sub>X</sub>                        | × 92.44  | °z.                                    | No. Obs.      | 1 10 5                                |              |               |            | oth Temp ro |            |                            |
| Rel. Hum    | 3228379          | 34819                                 | 92.4     | 5.849                                  | 377           | ± 0 F                                 | ⇒ 32 F       | Meon No.      | of Hours w |             | Jure 93 F  | Total                      |
|             |                  | 34819                                 |          | 5,849<br>7,485                         |               | s O F                                 |              |               |            | oth Temp ro |            | 7 Total                    |

## PSYCHROMETRIC SUMMARY

34199 SIEGENBURG GERMANY GUNNERY RANGE 69470

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| Temp        |          |   |                              |               |         |           | EMPERATU   |     |          |          |          |             |           | TOTAL        |        | TITAL       |                   |
|-------------|----------|---|------------------------------|---------------|---------|-----------|------------|-----|----------|----------|----------|-------------|-----------|--------------|--------|-------------|-------------------|
| F           | 0        | .1. :   | 3 - 4 - 5                    | 5 5 <u></u> - | 8 9 - 1 | 2 - 11. 2 | *3 - +4 *5 | , Ÿ | 18 19 20 | 21 22 13 | 24 25 35 | · · · · ·   | · · · · · | 18 +6 -      | t - •  | *** ** **   | ·- •              |
| 46/ 47      |          |   | , 8                          |               |         |           |            |     |          |          |          |             |           | 9            | 3      |             |                   |
| 46/ 45      |          |   | . 8                          |               |         |           |            |     |          |          |          |             |           | . 3          | 3.     |             |                   |
| 447 43      |          | 3   |                              |               |         |           |            |     |          |          |          |             |           | 1            | 1      | •           |                   |
| 42/ 41      |          | 1.3   | _{_{1}}^{2} + C_{_{1}}^{2} = |               | •       |           | - •        | -   |          |          |          |             |           | 11           | 11     | 1           |                   |
| 4C/ 39      |          | 8.0   | . 5                          |               |         |           |            |     |          |          |          |             |           | 33           | 33     | 14          |                   |
| 39/ 37      |          | 10.1  |                              | •             | - •     | · ·       | •          | -   |          |          |          |             |           | 39           | 39     | 33          | 22<br>33          |
| 36/ 35      |          | 7.8   | , 3                          |               |         |           |            |     |          |          |          |             |           | 32           | 32     | 44          | 33                |
| 34/ 33      |          | 5.4   |                              |               |         |           |            |     |          | •        |          |             |           | 3.7          | 2      | <u>51</u> . | 5 2 2 2           |
| 32/ 31      | 2.6      |   |                              |               |         |           |            |     |          |          |          |             |           | 34           | 34     | 17          | 5(                |
| 30/ 29      | 3.6      |   | <del></del>                  |               |         |           |            |     | ·        | ·        |          | , .         |           | 41           | 41     | 47          | 2 2               |
| 28/ 27      | 4.7      |   | i                            |               |         |           |            |     | í        |          |          |             |           | 32           | 32     | 44          | 2 (               |
| 26/ 25      | 3.1      |   | <b></b>                      |               |         |           |            |     |          |          |          |             |           | 16<br>36     | 16     | 15<br>34    | 2 i<br>3 i        |
| 24/ 23      | 5,7      |   | •                            |               | •       |           |            |     |          |          |          |             |           |              | 36     | 34          | 34                |
| 22/ 21      | 2.1      |   |                              |               |         |           |            |     |          |          |          |             |           | 19           | 19     | 19<br>15    | 26                |
| 20/ 19      | 1.6      | 2.1   |                              |               |         |           |            |     |          |          |          |             |           | Ī 4          | 14     |             | 14                |
| 18/ 17      |          |   |                              |               |         |           |            |     |          | ··       |          |             | -         |              | _      | 5           | 1                 |
| 16/ 15      | , 3      |   |                              |               |         |           |            |     |          |          |          |             |           | · 3          | 3      | Ž           | Ğ                 |
| 14/ 13      | 2,3      | . 3   |                              |               |         |           |            |     |          |          |          | · · · · · · | -         | _ <u>lo</u>  | ŢĈ_    | 1:<br>8     | _ :               |
| 12/ 1:      | 2.3      | -   |                              |               |         |           |            |     |          |          |          |             |           | a            | £      | 8           | ī                 |
| 10/ 9       | 1.3      |   |                              |               |         |           |            |     |          |          |          |             |           | . 5          | 5      | 5           | 7                 |
| 8/ 7        | i        | • 3   | i ;                          |               |         |           |            |     |          |          |          |             |           | 1            | 1      |             | 4                 |
| 6/ 5        |          | , 3   |                              |               |         |           |            |     |          |          |          |             |           | . 1          | 1      | 2           |                   |
| 8/ 1        | . 8      | į.  |                              |               |         | i         |            |     |          |          |          |             |           | 3            | 3      | 3           |                   |
| m2/ -3      | 1.0      | X   |                              |               |         |           |            |     |          |          |          |             |           | 4            | 4      | 4           | :                 |
| #4/ #5      |          |   |                              |               |         |           |            |     |          |          |          |             |           |              |        |             | i                 |
| m6/ m7      |          | J   | 11_                          |               |         | _, .      |            |     |          | 1:       |          |             |           |              | _      |             | 3 2               |
| OTAL        | 35.5     | 60.9  | 2,6                          |               | !       |           |            |     |          |          |          |             | ••        | • • •        | 386    |             | 3 4               |
|             | _        |   | ' !                          | ,             | 1       | z<br>i    |            |     |          |          |          |             |           | 385          |        | 386         |                   |
|             | i        |   |                              | -1-           | ,       | 1         |            |     | ,        |          |          |             |           |              |        | - 1 1.      |                   |
|             | <u> </u> | 1   | _ [                          | 1             | :       |           |            | :   |          |          |          |             | _         |              |        |             |                   |
|             | I        | Ī   |                              |               |         | i         |            |     |          | , ,      |          | •           |           | •            |        |             |                   |
|             |          | <u>i                                     </u> |                              | L_            |         | _         |            |     |          | 1        |          |             |           |              |        |             |                   |
|             |          |   |                              |               |         |           | ,          | 1   |          |          |          |             |           | •            | •      |             |                   |
|             |          | <u> </u>                                      |                              |               |         |           |            |     |          |          |          |             |           |              |        |             |                   |
| Elament (X) |          | Σχ'   |                              | 2 x           |         | X I       | 7,         |     | Obs.     |          |          |             |           | h Temperatur | e      |             | -                 |
| Rel. Hom.   | <u> </u> | 307   | 7093                         |               | 4361    |           | 5.196      |     | 386      | ± 0 F    | 5 32 F   | ≥ 67 F      | ≥ 73 F    | ≯ 8C F       | → 93 F |             | o•o!              |
| Dry Bulo    | <u> </u> | 3¢  | 3468                         |               | 1334    |           | 8,926      |     | 386      | 7.0      | 395,2    |             |           |              |        |             | 577               |
| Wet Bulh    |          | 34  | 0852                         |               | 0996    | 28,5      | 8.468      |     | 386      | 7.0      | 402,2    |             |           |              |        |             | 572<br>572<br>572 |
| Dew Pont    |          | 30  | 1355                         | 1             | 0242    | 26.5      | 8.798      |     | 386      | 1507     | 475.3    |             |           |              |        |             | 572               |

AC FORM 0.26-5 (OL.A) REVISEO MEVIOUS EDITIONS OF THIS FORM A

USAFETAC FORM 0 26-5 (OL A)

### PSYCHROMETRIC SUMMARY

34199 \_ SIEGENBURG GERMANY GUNNERY RANGE 69-75 ۶۵۲

PAGE 1 ALL

| Temp        |              | WET     | BULB TEM     | PERATUR        | E DEPRESSION                          | £        |                  |          |               | TOTAL        | ,             | TOTAL           |            |
|-------------|--------------|---------|--------------|----------------|---------------------------------------|----------|------------------|----------|---------------|--------------|---------------|-----------------|------------|
| £,          | 0 1.2 3.4    |         | 11 - 12 13   | 14 15 - 16     | 5_17 - 18_19 - 20                     | 21 22 23 | 24 25 26         | 5. 24.55 | 3 * 2*        | 28 * 8 P     | , B . w       | et 8. Orw       | P ~        |
| 60/ 59      |              | , 9     |              |                |                                       |          |                  |          |               | 4            | 4             |                 |            |
| 56/ 55      |              | .7' .5  |              |                |                                       |          |                  |          |               | 5            | 5             |                 |            |
| 54/ 53      |              | 1,4     |              |                |                                       |          | •                |          | •             | 6            | 6             |                 |            |
| 52/ 51      |              | 1:4:    |              |                |                                       | _        |                  |          |               | ć            | 6             | 5               |            |
| 5C/ 49      | .9 1.9       | 5.      |              | •              |                                       | •        | •                |          |               | 14           | 14            | 2               |            |
| 48/ 47      | 1.29         |         |              |                |                                       |          |                  |          |               | 9            | 9             | 14              | 3          |
| 46/ 45      | 2.6 1.4      |         |              |                | -• • -                                | •- •     | •                |          |               | 17           | 17            | 36              | ĪĈ         |
| 44/ 43      | 2.6. 1.4     |         |              |                |                                       |          |                  |          |               | 17           | 17            | 11.             | 14         |
| 42/ 41.     | .5 3.0 1.9   | . 2     |              |                | ,                                     |          |                  |          |               | 24           | 24            | 22              | 26         |
| 4C/ 39      | 4.4 7.3      |         |              |                |                                       |          |                  |          |               | 51           | 51            | 17              | 19         |
| 38/ 37      | 7.9 2.8      |         |              |                |                                       |          |                  | ***      |               | <u>51</u> .  | ~ <b>4</b> ,~ | 45              | 24         |
| 36/ 35      | .210.5 2.6   |         | ,            |                | 1                                     | . ]      |                  |          |               | 57           | 37            | 57              | 18         |
| 34/ 33      | 3,7 6.1 .7   |         |              |                |                                       | ***      |                  |          | •             | 45           | 45            | 49              | 56         |
| 32/ 31      | . 5 . 5 . 4  |         |              |                |                                       | _        |                  |          |               | 25           | 25            | 29              | 93         |
| 30/ 29      | 2.8 1.9      | ,       |              | -              |                                       | •        | - · <del>-</del> |          | ,             | 25.<br>20    | 2 C           | <u>29</u><br>32 | 30         |
| 28/ 27      | 4.2 1.2      | 1       | 1            | 1              |                                       |          |                  |          |               | 23           | 23            |                 | 43         |
| 26/ 25      | 3.3 1.2      |         | ·            |                |                                       |          |                  |          |               | <u>23</u> .  | 19            | <u>22</u> .     | 27         |
| 24/ 23:     | 4 . 4 . 5    |         |              |                |                                       |          |                  |          |               | 21           | 21            | 22              | 37         |
| 22/ 21      | .5 .9        |         |              |                |                                       |          | <del></del>      |          |               | 6            | 6             | 6.              | 10         |
| 20/ 19      | . 2!         |         |              |                |                                       |          |                  |          |               | 1            | 1             | 1               | 1          |
| 13/ 17      | .7 .7        |         |              |                |                                       | •        |                  |          |               | 6            | 6.            | 7               | 4          |
| 16/ 15:     | . 2          |         | 1            |                |                                       | •        |                  |          |               | 1            | 1             | 1               | 1          |
| 14/ 13      | . 2          |         |              |                | · · · · · · · · · · · · · · · · · · · |          |                  |          |               | <u>1</u> -   | 1             | <u>î</u>        | - <u>8</u> |
| 12/ 11      | , 2          |         |              |                |                                       |          |                  |          |               | 1            | ì             | 1               |            |
| 10/ 9       | . 2          | 1       |              |                |                                       |          |                  |          |               | - <u>î</u> - | 1             | _ <u>1</u> .    |            |
| 8/ 7        | . 2          |         | ٠,           |                |                                       | . 1      |                  |          |               | 1            | 1             | 1               | 2          |
| 6/ 3:       |              | 1       |              |                | ·                                     |          | <del></del>      |          |               | <u>î</u>     | 1             | <u>-</u>        | - 2        |
| TUTAL       | 22.251.221.0 | 4.2 1.4 | . !          |                | :                                     | '        |                  |          |               | -            | 428           |                 | 428        |
|             |              |         |              |                |                                       | ·        |                  |          |               | 428          |               | 428             | _          |
|             |              |         |              |                | t                                     |          |                  |          |               |              |               |                 |            |
|             | 1            | 1       | 1            |                |                                       | 1        |                  |          | •             |              |               |                 | -          |
|             |              |         | :            | ;              |                                       |          |                  |          |               |              |               |                 |            |
|             |              |         | <del> </del> | <del>-</del>   | ,                                     |          |                  |          |               |              |               | •               |            |
|             |              |         | ! !          |                | :                                     |          |                  |          |               |              |               |                 |            |
| Element (X' | Σχ¹          | ZX      | X            | σ <sub>χ</sub> | No Obs                                |          | i                | Mean No  | of Hours with | Temperatu    | re            |                 |            |
| Rel. Hum    | 3100152      |         | 84.6 9       | .312           | 428                                   | ± 0 F    | ± 32 F           | ≥ 67 F   | ≥ 73 F        | → 80 F       | - 93 F        | Total           | i          |
| Dry Bulb    | 581430       | 15346   | 35.9 8       | ,543           | 428                                   |          | 220,8            |          | 1             |              | <del>-</del>  |                 | 744        |
| Wet 5       | 522298       | 14608   |              | 5452           | 428                                   |          | 252.1.           |          | 1             |              |               |                 | 744        |
| Dew Poins   | 442715       |         | 31.5         |                | 428                                   |          | 448.5            |          | <u> </u>      |              | i             |                 | 744        |

USAFETAC FORM 0 26.5 (D), A) RIVISO MENIOUS EDITIONS OF THIS FORM ARE OMOGETE

### PSYCHROMETRIC SUMMARY

34199 SIEGENBURG GERMANY GUNMERY RANGE 68-70 APR

| Temp        | <u> </u>      |                 |  | TURE DEPRESSION                       |  |             |             |               | TOTAL       |               | TOTAL      |          |
|-------------|---------------|-----------------|--|---------------------------------------|--|-------------|-------------|---------------|-------------|---------------|------------|----------|
| ıF1         | 0 1 2 3 - 4   | 5 6 7 8 9 10    | 11 - 12   13 - 14   11                 | 16 17 - 18 19 - 2                     | 0 21 22 23                                       | 24 25 26 21 | 18 2v 3     |               | 38 ₩ 8 €    |               | er 6. × 5  | en F     |
| 70/ 69      |               | •               | 5                                      |                                       |  |             |             |               | 3           | 3             |            |          |
| 68/ 67      |               |                 | ,2,4                                   | <del>, 8</del>                        |  |             |             |               | 7           |               |            |          |
| 66/ 65      |               | ,6              |  | , 4                                   |  |             |             |               | 11          | 11            |            |          |
| 64/63       | . 2           |                 | 2 .6 .2                                |                                       |  |             |             |               | _ 9         | 9             | _          |          |
| 52/61       | : 4           | ,4 1,2          | 5 2                                    | • •                                   |  | ·           |             |               | Ĩ4          | 14            | 2          |          |
| 6C/ 59      | . 2           | 1,2 ,6 1,1      | D                                      |                                       |  |             |             |               | 15          | 15            | 5          | 1        |
| 58/ 57      |               |                 | 2                                      | •                                     | •  |             |             |               | 16          | 16            | 6          | 3        |
| 56 / 55     | .4 1.8        |                 | 4.                                     |                                       |  |             |             |               | 24          | 24            | 7          |          |
| 54/53       | 1.2 .4        | 1.0.1.2.        |  | ,                                     |  |             |             |               | 22          | 2.2           | 30         | 7        |
| 52/ 51      | 16 1,6        |                 |  | 1                                     |  |             |             | . <b></b>     | 13          | 13.           | 30<br>21   | 5 _      |
| 5C/ 49      | 2.8 3.2       |                 |  | 1                                     | !  |             |             | _             | 44          | 44            | 21         | 26       |
| 48/ 47      | • 4. 4.0      |                 |  |                                       |  |             |             | • -           | 45          | 46            | 46         | 23       |
| 46/ 45      | 2.3 2,8       | • • -           |  |                                       |  |             |             |               | 34          | 34            | 49         | 36       |
| 44/ 43      | 3,0 2,8       |                 |  |                                       |  | 4           |             |               | <u>31</u> . | 31            | 41         | 28<br>35 |
| 42/ 41      | .4 4.2 6.9    |                 |  |                                       |  |             |             |               |             | : §           | 39         | 55       |
| 40/ 39      | 4,8:5,3       |                 | · · · · · · · · · · · · · · · · · · ·  |                                       |  | <del></del> |             | · • · ·       | 31<br>38    | 51            | 44         | 41<br>43 |
| 38/ 37      | 7:1 .4        |                 |  |                                       |  |             |             |               | 38          | 38            | 72         | 45       |
| 36/ 35      | 5.7 .4        | 1               | ·····                                  |                                       |  |             |             | - <del></del> | 31<br>14    | 31            | 49.<br>35. | 54<br>87 |
| 34/ 33      | .6 2.2        |                 |  |                                       |  |             |             |               | 14          | 14            | 35         | 87       |
| 32/ 31      | .4 1.6 .6     | 1               |  |                                       |  |             |             |               | 14          | 14            | - J        | 61       |
| 30/ 29      | . 2. 1.6      | 1               |  | 1                                     |  |             |             |               | 9           | 9             | 14         | 12       |
| 28/ 27      | . 2           |                 | ·                                      |                                       |  |             |             | <b>-</b>      | 1           | 1             | 7.         | 7        |
| 267 25      |               |                 |  |                                       |  |             |             |               |             |               |            | 0        |
| 24/ 23      |               |                 | <del>, i</del>                         | · · · · · · · · · · · · · · · · · · · |  |             |             |               |             | <del></del> - |            | == 0     |
| TOTAL       | , 1.642.4B0.7 | 9.3 7.7 4.      | 4: 1.8: .8,                            | 1.2                                   |  |             |             |               |             | 505           |            | 5Ĉ.5     |
| <b> </b>    | ·             | <del></del>     | <del></del>                            |                                       | <del></del>                                      | <del></del> |             |               | 505         |               | 505        |          |
| 1           | •             | ,               |  |                                       | 1  |             |             |               |             |               |            |          |
|             |               |                 | <del></del>                            |                                       |  |             |             | ·             |             |               |            |          |
| !           |               |                 | :                                      | •                                     | 1  |             |             |               |             |               |            |          |
| l           | ·             | <del></del>     | <del></del>                            | <del></del>                           | ·  |             |             |               |             |               |            |          |
| 1           | 1             |                 |  | 1                                     |  |             |             |               |             |               |            |          |
| <del></del> | <del> </del>  | <del>  </del> - | <del></del>                            |                                       | <del></del>                                      |             |             |               |             |               | •          |          |
|             |               |                 |  | i                                     |  |             |             |               |             |               |            |          |
| Element (X) | Σχ'           | Σχ              | \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ | No. Obs.                              | <del></del>                                      |             | Hean No. of | Hours         | Temperati   |               |            |          |
| Rel. Hum.   | 3022209       | 38431           | 76,113,91                              |                                       | 1 2 0 F  | : 32 F      | ≥ 67 F      | ≥ 73 F        | * 80 F      | - 93 F        | T.         | nal .    |
| Dry Bulb    | 1109727       |                 | 46.0 9.14                              |                                       | +  | 34.2        | 14.3        | - /           | 3 00 1      | +             | '          | 720      |
| Wet Bulb    | 930032        |                 | 42.3 7.12                              |                                       | <del>                                     </del> | 41.3        |             |               |             | <del>;</del>  |            | 720      |
| Dew Point   | 763101        | 19349           | 38.3 6.36                              |                                       | <del></del>                                      | 134.0       |             |               |             | <del> </del>  |            | 720      |
|             |               |                 |  |                                       | 1  |             |             |               |             |               |            |          |

C FORM 0.26.5 (OL A) PINSEE HENOUS EDRICHS OF THIS FORM ARE DESOUTED

USAFETAC FORM O.

#### **PSYCHROMETRIC SUMMARY**

34199 SIEGENBURG GERMANY SUNNERY RANGE 68+70 446 PAGE 1

| Temp            |               | wE.            | BULB TE          | PERATURE               | DEPRESSION     | F.   |             |             |             | TOTAL      |          | TOTAL                   |                     |
|-----------------|---------------|----------------|------------------|------------------------|----------------|--|-------------|-------------|-------------|------------|----------|-------------------------|---------------------|
| (F)             | 0 1.2 3.4 5-  | 6 7 - 5 9 - 10 | 11 - 12 13       | - 14 15 16             | 17 - 18 '9 - 2 | 21 22 23   | 25 25 26 2  | 78 7        | 30 - 31 - 3 | 8 *8 5     | , 8      | er B. D                 | - ۲ سې              |
| 88/ 87          |               |                |                  |                        |                |  | -           |             |             | 2          | 2        |                         |                     |
| 86/85           |               |                |                  |                        | . 8            | 2  |             |             | _           | 5.         | 5        | _                       | j                   |
| 84/83           |               |                |                  | . 2                    | , 6            |  |             |             |             | 5          | 5        |                         | İ                   |
| 82/ 61          |               |                |                  | 4                      |                |  |             |             |             | 2          | 2        |                         |                     |
| BC/ 79          |               |                |                  | 1.2 .8                 |                |  |             |             |             | 1^         | 1Ĉ       |                         |                     |
| 78/ 77.         |               |                |                  | , 6                    |                |  |             |             |             | 7          | . 7      |                         |                     |
| 76/ 75          |               |                | 1,2              | ,2 ,2                  | • 1            | •  |             |             |             | 10         | 10       |                         | ]                   |
| 74/ 73          |               | . 2 و          | 5, , 4,          | .8 .4                  |                |  |             | ·           |             | 12         | 12       |                         |                     |
| 72/ 71          |               | .4             | 2; , 2           | , 6 <sup>1</sup>       | • 6            |  |             |             |             | 11         |          |                         |                     |
| 70/ 69          |               | ,6, ,2         | 1,4.             | ,4,,4                  |                |  |             |             |             | 15         | 13       |                         |                     |
| 68/ 67          | !             |                | ) 8              | .2 .2                  | í              |  |             |             |             | 20         | 20       | 12                      | į                   |
| 66/ 65          | ····          | . 4) 1.        |                  | <u>, 7'</u>            |                | ·  |             |             |             | 25<br>39   | 25       | 17                      |                     |
| 64/ 63          | •             | .8 1.4 2.      | 5 1.9            | . 8                    |                |  |             |             |             |            | 30.      | ĩ÷                      | _ i                 |
| 62/61           |               | .2 .8 1.       | 7: 1.6           |                        | <u> </u>       |  |             | •           |             | 29         | 29       | 13.                     | _3                  |
| 8¢/ 59          | . 41 . 21 1   | 2 1.6 2.       | 1, 1, 4;         |                        |                |  |             |             |             | 35         | 35       | 18                      | ĪŌ                  |
| 58/ 57          | .2. 2.1, 1    |                | 2 1.2            | . 4                    | •              |  |             |             |             | 5 C        | 50       | 19                      | 22                  |
| 56/ 55          | .4 1.2 1      | 9 1.2          |                  |                        |                |  |             |             |             | 28         | 28       | 38                      | 23                  |
| 54/ 53          |               |                | ( <del>)</del> 1 |                        |                | <del></del> .                                    |             |             |             | 24         | 24       | 63                      | 6                   |
| 52/ 51          |               | .3 ,6          | 2;               |                        |                |  |             |             |             | 27         | 27       | 49                      | 13                  |
| 50/ 49          |               | .6 .6          | - <del></del>    |                        |                |  |             |             |             | 34         | 34       | 52                      | 53                  |
| 48/ 47          |               | • 2            | 4 .              |                        |                |  |             |             |             | 35         | 35       | 74                      | 39                  |
| 46/ 45          |               | • 2            | <u> </u>         |                        |                | ·  |             |             |             | 30         | 3 C      | 47                      | 47                  |
| 44/ 43          | .2 1.9 .2     |                |                  |                        |                |  |             |             |             | 12         | 12       | 58                      | 54                  |
| 42/ 41          | 2 و 8 و 5 و   | <del></del>    |                  |                        |                |  |             |             |             | <u>2</u>   | <u>8</u> | 15                      | 114                 |
| 40/ 39          | .6 1.2        | !              | 1                |                        |                |  |             |             |             | Ş.         | 9        | 10                      | 56                  |
| 38/ 37          | .2 1.2        | <u> </u>       | <del></del>      |                        |                |  |             |             |             |            | 7        | <del></del> <del></del> | 21                  |
| 36/ 35          | • 4           |                |                  |                        |                |  |             | 1           |             | Ž          | 2        | 4                       | 24                  |
| 34/ 33          | 4             |                |                  |                        |                | <u></u>  |             | <del></del> |             | <u>Z</u> _ | 2.       | 4-                      | - <u>-</u> <u>1</u> |
| 32/ 31          | • 2:          |                | 4                |                        | •              | I  |             |             |             | 1          | 1        | 1                       | 16                  |
| 30/ 29          |               |                | <del> </del>     |                        | <del></del>    |  |             |             |             |            |          | <del>-</del>            |                     |
| 26/ 25          |               |                |                  |                        |                | ; ;  |             |             |             |            |          |                         | į.                  |
| 24/ 23<br>TUTAL | 3.117,815.914 | - 53 - OG 4*   | 13-4             | 9 <del>* 5* 2* 2</del> | 2.7.           | <del></del>                                      |             |             |             |            | 516      |                         | - RY -              |
| I SIME          | 311110131114  | 1-41-01-10.    | 71209            | 106 313                | 2.3 1.         | . l  |             |             |             | E 1 4      | 210      | 516                     | 516                 |
| Element (X)     | Σχ2           | Zx             | <del> </del>     | σ <sub>χ</sub>         | No. Obs.       | <del></del>                                      | <del></del> | tena Va at  | Hours with  | 516        |          | 710                     |                     |
| Rel Hum.        | 2302244       | 33122          | 64,21            |                        | 316            | ± 0 F  | : 32 F      | e 67 F      | > 73 F      | > 80 F     |          | Te                      | otal .              |
| Dry Bulb        | 1776545       | 29767          | 57,71            |                        | 516            |  |             | 142.7       | 70.4        | 30.3       | - 73 -   |                         | 744                 |
| Wet Bulb        | 1350377       | 26143          |                  | 7.085                  | 516            | <del>  </del>                                    | 1.4         | 17.3        | 1917        | -0.3       |          |                         | 744                 |
| Dew Point       | 1040125       | 22913          | 44.4             |                        | 516            | <del>                                     </del> | 27.4        |             |             |            |          |                         | 744                 |
|                 | 20402551      | 66,00          | 44941            |                        |                | 1 1  | 6187        |             |             |            |          |                         | 177                 |

USAFETAC FORM 0.26-5 (OLA) REVISED REVISED FOR 1911 FORM ARE OSSUREE

## PSYCHROMETRIC SUMMARY

34199 SIEGENBURG GERMANY GUNNERY RANGE 68-70 JUNEAU PAGE 1 ALL

| Bell   Bell | Temp        |                  | WET   | BULS TEMPERATURE                      | DEPRESSION F    |                  |  | * 4.        |             | T274.         |            |
|---|-------------|------------------|---|---------------------------------------|-----------------|------------------|--|-------------|-------------|---------------|------------|
| 84/83   | İ           | 0 1 - 2 3 - 4 5  | -6 7-8 9-10                                     | 11 - 12 13 - 14 15 16                 | 17 - 18 19 - 20 | 21 22 23 24 25 2 | 6.27 (25.29 (3) (6.2)                  | DB +8 5     | . 8         | *** & .       |            |
| 827 31  |             |                  |   |                                       | . 5             |                  |  | 3           | . 3         |               |            |
| Tel   |             |                  |   | . 2 .                                 | 7 2             |                  |  | <u>19.</u>  | <u>10</u>   |               |            |
| 78  |             |                  |   | 7 1,0                                 | • 7             |                  |  | 15          |             |               |            |
| 76/ 75  |             |                  |   |                                       | )<br>· · ·      |                  |  | 16          | 16          |               |            |
| 74/ 73  |             |                  | 3 ,   | 3,4 4,3                               | 2               |                  |  | 50          | 5 C         |               |            |
| 72/ 71  |             |                  | 2 1 5   | 2,8 ,2 ,                              | • 2             |                  |  | 35          | 35          |               |            |
| 68/ 67  |             |                  | ,3 1,6  | 1,5 ,7 ,2                             |                 |                  |  |             | 26          |               |            |
| 68/ 67  |             |                  | .5 1.0  | .7 1.1 .5                             |                 |                  |  | 25          | 25          | _             |            |
| 66/ 65  |             |                  | .2 3,1 ,7                                       |                                       |                 |                  |  |             |             |               |            |
| 64/ 63  |             |                  | .3: 2.1 1.1                                     | .2 ,5                                 |                 |                  |  | 26          | 26          | 18            |            |
| 62/ 61  |             |                  | 1.1 1.3 .5                                      | , 3                                   |                 |                  |  |             |             |               |            |
| 60/ 59  |             | .3 2.3 2         |   |                                       |                 |                  |  | 51          | 21          | 61            | _2         |
| 58/ 57  | , , , , ,   | • 7 2 • <u>1</u> |   |                                       |                 |                  |  |             |             |               | 12         |
| 56/ 53  |             |                  | 2,3,3   | . 8                                   |                 |                  |  | 47          | 47          | 69            | <b>3</b> 0 |
| 54/53   | 1           |                  |   |                                       |                 |                  |  | 42          | 42          |               |            |
| ### 1.5 5.1 1.8 .7 .3   |             |                  |   | · · · · · · · · · · · · · · · · · · · |                 |                  |  | 42          | 42          | 73            |            |
| 5C/ 49 1.5.5.1 .6   |             |                  |   |                                       |                 |                  |  | 34          |             |               |            |
| 48/ 47  |             | 1.8 .7           | <u>و کی                                    </u> | · —                                   |                 |                  |  | 17          | 17.         | 45            | 46         |
| 46/45   |             |                  |   |                                       |                 |                  |  |             | 45          |               |            |
| 44/ 43  |             | .5 .8i           |   |                                       |                 |                  | ·· · · · -                             | . 3         | 8.          | 38            | 50         |
| 42/ 41  |             |                  | <b>.</b> 2                                      |                                       |                 |                  |  | 9           | 9           | 15            | 3 Ç        |
| 1 9 38/37 36/35 36/35 37 TOTAL 3.8 20.5 14.6 11.6 12.0  9.7 11.1 10.0  4.4  2.0  .2  610 610  Element (X)   |             |                  |   |                                       |                 |                  | <del></del>                            | · ·- 5      | 5.          | 8             | 16         |
| 1 22 36/ 35 34/ 33 TOTAL 3.8 20.5 14.8 11.6 12.0  9.7 11.1 10.0  4.4  2.0  2  610 610 610 610  Element (X)  |             | • 3₁      • 2;   |   | •                                     |                 |                  |  | 3           | 3           | 3             |            |
| 2 36/35 36/33 70TAL 3.8 20.5 14.8 11.6 12.0 9.7 11.1 10.0 4.4 2.0 2   Element (X)   |             |                  |   |                                       |                 |                  |  |             | - *         | <u>1</u> .    | - 9        |
| 34/ 33 TOTAL 3.8 20.5 14.8 11.6 12.0  9.7 11.1 10.0  4.4  2.0  .2  610 610  Element (X)   | 1           |                  |   |                                       |                 |                  |  |             |             | 1             |            |
| TOTAL 3.8 20.5 14.8 11.6 12.0  9.7 11.1 10.0  4.4  2.0  .2  610 610 610 610 610 610 610 610 610 610   |             |                  |   | <del></del>                           |                 |                  | <del></del>                            |             |             | •             | 2          |
| Element (X)   | 34/ 33      | 0.000 501 00     |   | بالمحمودة فموا                        |                 | •                |  |             |             |               | 1          |
| Element (X)   | TUTAL       | 3.820.514.51     | 1.012.0 9.7                                     | 11.110.0 4.4                          | 200 02          |                  |  |             | 910         |               | 610        |
| Rel. Hum.         2985582         41214         67.618.167         610         ± 0 F         ± 32 F         ± 67 F         + 73 F         + 80 F         + 93 F         Total           Dry Bulb         2546957         38931         63.810.109         610         276.2         184.1         41.3         720           Wet Bulb         1990921         34689         56.9         6.311         610         23.6         720   |             | i i              | :   | i                                     |                 |                  |  | 910         |             | 610           |            |
| Rel. Hum.         2985582         41214         67.618.167         610         ± 0 F         ± 32 F         ± 67 F         + 73 F         + 80 F         + 93 F         Total           Dry Bulb         2546957         38931         63.810.109         610         276.2         184.1         41.3         720           Wet Bulb         1990921         34689         56.9         6.311         610         23.6         720   | ·           |                  |   | ·                                     |                 |                  |  |             | •           | - •           | -          |
| Rel. Hum.         2985582         41214         67.618.167         610         ± 0 F         ± 32 F         ± 67 F         + 73 F         + 80 F         + 93 F         Total           Dry Bulb         2546957         38931         63.810.109         610         276.2         184.1         41.3         720           Wet Bulb         1990921         34689         56.9         6.311         610         23.6         720   |             | : 1              | i   | •                                     |                 | 4                |  |             |             |               |            |
| Rel. Hum.         2985582         41214         67.618.167         610         ± 0 F         ± 32 F         ± 67 F         + 73 F         + 80 F         + 93 F         Total           Dry Bulb         2546957         38931         63.810.109         610         276.2         184.1         41.3         720           Wet Bulb         1990921         34689         56.9         6.311         610         23.6         720   | <u> </u>    |                  |   | <del></del>                           |                 |                  | ······································ |             |             |               |            |
| Rel. Hum.         2985582         41214         67.618.167         610         ± 0 F         ± 32 F         ± 67 F         + 73 F         + 80 F         + 93 F         Total           Dry Bulb         2546957         38931         63.810.109         610         276.2         184.1         41.3         720           Wet Bulb         1990921         34689         56.9         6.311         610         23.6         720   | !           | ; 1              |   | 1 1                                   |                 |                  |  |             |             |               |            |
| Rel. Hum.         2985582         41214         67.618.167         610         ± 0 F         ± 32 F         ± 67 F         + 73 F         + 80 F         + 93 F         Total           Dry Bulb         2546957         38931         63.810.109         610         276.2         184.1         41.3         720           Wet Bulb         1990921         34689         56.9         6.311         610         23.6         720   | Flores (X)  | Σν'              | ž,  | <del>`</del> \\                       | No Obs.         | <del></del>      | Lean No. of House with                 | . Tamparatu |             |               |            |
| Dry Bulb 2546957 38931 63,610,109 610 276,2 184,1 41.3 720 Wet Bulb 1990921 34689 56,9 6,311 610 23,6   |             |                  |   |                                       |                 | * 0 F * 72 F     |  | <del></del> |             | <sub>T.</sub> | ·•:        |
| Wet Bulb 1990921 34689 56.9 6.311 610 23.6 720  | <del></del> |                  |   |                                       | 610             |                  |  |             |             |               |            |
| Pry Point 1553615 31575 51.8 5.18 510   | 1           |                  |   |                                       | 610             | <del></del>      | 23.6                                   | - 112       | +           |               | 720        |
|   | Drw Point   | 1653615          | 31575   | 51.8 5. 18                            | 61C .           | <del></del>      | 20101                                  |             | <del></del> |               | 720        |

D (1)

USAFETAC FORM 0.26-5 (OL.A) ITENSED MENODOS EDITIONAS OF THAT HARM ARE CIDENTED MEN

# PSYCHROMETRIC SUMMARY

J J L

|  | ۽ ۾                              | 43E 1                           | ALL        |
|--|----------------------------------|---------------------------------|------------|
| MET BULB TEMPERATURE DEPRESSION F  | 7.5 ¥.                           |                                 | *3*A.      |
| F C 1 7 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25  | Lead of the Property of the Park | 18 ( 5 )                        | *** 8      |
| 93   |                                  | 3 3                             |            |
| 0C/ 87<br>18/ 87   |                                  | · <del>7</del> - <del>7</del> - |            |
|  |                                  | 20 20                           |            |
| <del>rain digital de la company de</del> |                                  | 2 <u>0</u> 2 <u>0</u> .         |            |
| 4/ 83  | :                                | 20 30                           |            |
| 7 7 3 3 3 1 1 1 1 3  | - •                              | 39 39<br>29 29                  |            |
| 6/ 77 .1 .3 1.0 .3 2.3 2.0 .1  |                                  | 47 47                           |            |
| 6/ 75 .7 ,6 1,4 1,3 .7   |                                  | 33 33                           | 5          |
| 4/ 73  |                                  | 34 34                           | 15         |
| 2/ 71 .6 ,4 ,5 ,6 .3   |                                  | 17 17                           | ŽŽ         |
| 0/ 69 .1 1.4 .3 1.4 .8 .7  | •                                | 34 34                           |            |
| 6/ 67 1:1 1:7 2,3: 1,3 ,3 ,1   | •                                | 48 48                           | 31<br>51   |
| 6/ 65 ,4 1.6 ,8 1,3 ,7 ,1 ,1   |                                  |                                 | 60         |
| 4/ 63 .4 2.4 1.7 1.3 1.0 .4 .1   | • •                              | 35 <u>35</u><br>52 52           | 63         |
| 2/61 .4 1.8 1.4 1.3 1.6 .1   |                                  |                                 | 91         |
| C/ 59 .1 1.7 2,1 1.6 .4·   |                                  |                                 | 72         |
| 8/ 57 ,8 3,6, 2,3, 2,11  |                                  | 65 65                           | 67         |
| 6/ 55 .7 1.1 1.8 .7 .1   |                                  | 32 32                           | 54         |
| 4/ 53 1.0 2.5 .7 .3  |                                  | $\frac{32}{9}$ . $\frac{32}{9}$ | 61         |
| 2/51 ,3 ,7 ,3  |                                  | 9 9                             | 43         |
| 0/ 49 .7 3.4 .4  |                                  | 32 32                           | 24         |
| 6/ 47 .4 .6  |                                  | 7 7                             |            |
| \$/ 45 ,3 ,4   |                                  | 5 5                             | <u>6</u> . |
| 4/ 43  |                                  |                                 | 3          |
| 2/ 41<br>C/ 39   |                                  |                                 |            |
| TAL 5.219.114.711.910.6 7.5 7.911.4 7.8 2.7 1.3  |                                  | 708                             | -          |
| IMP SETTABLITENTAN IND LEATTER IND PRI TROI  |                                  | 08.<br>108                      | 708        |
| ;<br>;   | •                                | ••                              | .00        |
|  |                                  | • • •                           | •          |
|  |                                  |                                 |            |
|  |                                  |                                 |            |
| i  |                                  |                                 |            |
| ement $X'$ $\Sigma_{X^2}$ $\Sigma_{X}$ $\overline{X}$ $\sigma_{X}$ No. Obs.  | Mean No of Hours with Temp       |                                 |            |
| thus. 3493625, 47941; 67,718,592 708 : : 0 F : 32  |                                  |                                 | 7010       |
| y 8b 3279950 47575 67,210,814 708  | 363-0 259.6 12                   | 6.1, 3,                         | 2          |
| Bulb 2568274 42380 59,9 6,673 708  | 130,3 21.0                       |                                 |            |
| w Point 2164114: 38920 55.C; 5.900 708   | 23.1                             |                                 |            |

34199 SIEDE VEURG GERMANY GUNNERY RANGE 66470

### PSYCHROMETRIC SUMMARY

| 34199<br>        | SIEGENBURG GERMANY GUNNERY RANGE 68-70  |                 |               |            | Δ٠        | ,  |
|------------------|---|-----------------|---------------|------------|-----------|----|
|                  |   |                 | PAGE          | 1          | ۸:        |    |
| F                | WET BULB TEMPERATURE DEPPESSION F   |                 |               |            | *C * A    | -  |
| L                | 0 1 2 3-4 5 6 7 8 9-10 11-12 3-14 15 16 17-16 19 20 21 22 23 24 25 26 21 22 2 | , * 1 * 5       | 08 # 9 0      |            | ę. × .    | :  |
| 90/ 89           | 2 2 4   |                 | 1             | 1          |           |    |
| 86/ 85           | , <del>3</del> ,3,2,6   |                 | 17.           | 7 Å.       |           |    |
| 82/81            | .3 .6 .5 .6 .5  |                 | 16            | 16         |           |    |
| 80/ 79           | 19 13 12 13   |                 | 16            | 16         |           |    |
| 78/ 77           | ,9 ,5 ,6 1,9 ,3<br>,5 1,2 3,1 1,1 ,2  |                 | 2.8           | 2 E<br>3 9 |           |    |
| 767 75           |   |                 | 39            | 39         |           |    |
| 74/ 73           | ,2: 1,1 1,5 2,0 ,9  | <b>-</b>        | 37            | 37         | 2<br>20   |    |
| 72/ 71           | .9 2,2: ,8 .9 ,8<br>.2 ,5 ,9 1.4: 1.7 ,3 .5 ,2                                |                 | 35            | 33<br>38   | 20        |    |
| 68/ 67           | .2 .5 .9 1.4 1.7 .3 .5 .2<br>.2 1.5 .8 .9 1.9 1.1                             | • -             | 41            | 41         | 23        |    |
| 66/ 65           | .5 1,4 1,2, .6: .3 .3   |                 | 28            | 28         | 45        |    |
| 64/ 63           | 2.5 1.4 .9 .8 .5 .2   |                 | 45            | 40         | 84        |    |
| 62/ 61           | .8 2.9 1.5 .8 .3: .2:   |                 | 43<br>46      | 43         | 73        |    |
| 60/ 59           | 1,9 2,5 1,4 1,1 ,3.   | -               |               | 46         | 54        |    |
| 58/ 57           | 2.9 4.5 1.7 1.4 .2  |                 | . 69          | 69         | 77        |    |
| 56/ 55<br>54/ 53 | 1,9 3,4 1,1 ,3.<br>,8: 1,9: 1,9:  |                 | 43            | 43<br>29   | 57°<br>57 |    |
| 527 51           | 3: 1.9: 1.9:<br>1.2 . 5 1.9:  |                 | · 29          | 23         | 29        |    |
| 5c/ 49           | 1,2 2,8 ,5  |                 | 29            |            | 34        |    |
| 48/ 47           | 15 16 13  | - •             | . <u>29</u> . | <u> 29</u> | 23.       |    |
| 46/ 45           | . 2 3 . 2   |                 | 4             | 4          | 6         |    |
| 44/43            | .2 .3   |                 | . 3           | 3.         | 5.32      |    |
| 42/ 41           | ,2 ,3   |                 | 3.            | 3.         | 3<br>3    |    |
| 40/ 39<br>38/ 37 | .2  |                 | 1             | 1.         | í         |    |
| 36/ 35           |   |                 | · •.          | 2.         | - •       |    |
| TOTAL            | 11.723.215.5 6.5 0.2 9.110.7 7.0 2.3 1.7 .2                                   |                 |               | 647        |           |    |
|                  |   |                 | 647           |            | 647       |    |
| <u> </u>         |   |                 |               | -          |           |    |
|                  |   |                 |               |            |           |    |
|                  |   |                 | • •           | •          |           |    |
| 5(Y)             | Σχ² Σχ χ Νο. Obs. Mean No   | o. of Hours wit |               |            |           | _  |
| Rel. Hum.        | 3708216 47466 73.418.702 647 : 0F : 32 F : 65 F                               |                 | * 80 F        | + 93 F     | - 7       |    |
| Dry Bulb         | 2761612 41778 64,6 9,948 647 318.   | 5 160.3         |               |            |           | •  |
| Wet Bulb         | 2261110 38026 59.8 6.370 647 77.  | 0 2.3           |               |            |           |    |
| Dew Point        | 1965107: 35463 54,8:5,746 647: 17.  | 2.              |               |            |           | ** |

TATA PRICESSING CIVISITY USAF ETAC AIR "EATHER SERVICE/MAC

#### PSYCHROMETRIC SUMMARY

34199 STEGERBURG GERMANY GUNNERY RANGE 68470 SEP

| :                       | Tens      | MET BULB TEMPERATURE DEPRESSION F   | TOTAL         |                  | * * * A L        |                   |
|-------------------------|-----------|---|---------------|------------------|------------------|-------------------|
|                         | - F       | 2 3 4 5 6 7 6 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 26 27 37 77 | ;· `` = * 8 ; |                  | ** 5 * ^         | ]                 |
|                         | 78/ 77    | .1 .6 .3  | 7             | 7                |                  | i                 |
|                         | 75/ 75    | .3 .1 .4 .6   | 10.<br>30.    | 100<br>24<br>3   |                  | ]                 |
|                         | 74/ 73    | 14 11 19 1,6 1,3  | 35            | 3 C              |                  | 1                 |
|                         | 72/ 71    | •1 •4· •7 •3 1.5 •4   | 24            | 24               |                  | 1                 |
|                         | 707 69    | 13 1,9 1,2 1,2  | 31            | 3;               | 4                | Ì                 |
|                         | 68/ 67    | .6 .0 .7 1.9 3.1 .3 .4  | 52            | 52               | 6                | 3                 |
|                         | 66/ 65    | 13 .7 1,8 1,2.2,1 ,6  | 45            | 45               | 14               | € [               |
|                         | 64/ 63    | .6 1.2 1.5 1.5 1.6 .7   | 48            | 48               | 31               | 3                 |
|                         | 627 61    | .3 1.0 1.9 1.2 2.4 ,7 .9  | 37            | 57               | 50               | 11                |
|                         | , 60 \ 20 | .3 1.6 2.7 3.1 1.3 .5   | - <u>65</u>   | 65.<br>63.       | 71<br>63         | 33<br>48          |
|                         | 50/ 57    | 1.2 2.2 3.0 2.8 1.0   |               |                  |                  |                   |
|                         | 56/ 55    | .5 1.9 2.2 .9 .4  | 41            | 4 <u>1</u><br>36 | 8 <u>2</u><br>82 | 48                |
|                         | 54/ 53    | .4 2.8 1.3 .7   | 36            | 36               |                  | 82                |
| =                       | 52/ 51    | 1 1,5 ,9 ,1   | 17            | 17               | 59.              | 42                |
| ž                       | 5C7 49    | 2,5 2,8 1,2   | 45            | 45               | 53               | 159               |
| Õ                       | 48/ 47    | ,9 1,0 ,3   | 15.<br>15.    | 15.<br>10        | 35<br>16         | 63                |
|                         | 46/ 45    | 16 16 13  | 10            | 10               | 16               | 43                |
| ĝ                       | 44/ 43    | .9 1.0 .1   | - · 14        | 14               | 13.<br>17.       | 34                |
| £                       | 42/ 41    | 1.2 1.9   | 21            |                  |                  | 32                |
| ò                       | 4C/ 39    | 1.0   | . <u>7</u> .  | <u>7</u> .       | 1 <u>1</u> .     | 17                |
| ě.                      | 38/ 37    | 13 16   | 5             | 5                | 9                | 15                |
| 2                       | 36/ 35    | 11.0  | . 8_          | 8.               | <del>'</del> 5.  | 11                |
| Ş                       | 34/ 33    |   | 2             | 2                | 2                | 11                |
| ŧŧ                      | 32/ 31    | , 3 , 1<br>, 6 , 3  | . 3           | 3.<br>7.         | ₹.               | 3                 |
| 9                       | 3C/ 29    |   | 0             | 0                | 1                | ادٍ               |
| _                       | 28/ 27    | <u> </u>  | <u>.</u> . 3. | <u>3</u> .       | <u>3</u> .       | اد                |
| alam<br>elam            | 26/ 25    | 11 222 22 77 442 212 77 2 2 1   | 1             | 1                | 1                |                   |
| ₹                       | TOTAL     | 11.322.910.714.412.910.7 7.9 3.1  | . 182.        | 672.             | 572              | 572               |
| <sub>=</sub> 5          |           | •   | 672           |                  | 572              | 1                 |
| 素め                      | <u> </u>  |   |               |                  | •                | - 1               |
| 0.26                    |           |   |               |                  |                  | - 1               |
| #                       |           |   | - •           | •                |                  |                   |
| 10th                    | 1         |   |               |                  |                  |                   |
| 5 5                     | 5: (X)    | Σχ² Σχ χ κο. Obs. Mean No. of Hours   |               |                  |                  |                   |
| <b>≜</b> ∪              | Rel. Hum. | 3923148 30064 74,516,976 672 : 0F : 32 F <67 F : 23                               |               | . 93 F           | • •              | .,,               |
| <b>₹</b> {              | Dry Bulb  | 2376904 39390 58,610,068 672 13.9 165.0 50  |               |                  | '                | 770               |
| 7.5                     | Wet Bulb  | 1970704 36934 53.6 7,574 672 13.9 10.7  | <del></del>   | <del>-</del>     |                  | 120               |
| <b>∰</b> ∰<br>U\$AFETAC | De- Point | 1692953 33413 49.7 6.970 672 15.0 3.2   |               | ••               |                  | 720<br>720<br>720 |
| ₩ ~                     |           | AUTOCOCCI SONIONI TERRITORINI CIA CHECK SEE.                                      |               | <u> </u>         |                  |                   |

# PSYCHROMETRIC SUMMARY

| 34199 SIEGENBURG GERMANY GUNNERY RANGE 68#70   | -                 |                                 | oç r            |
|--|-------------------|---------------------------------|-----------------|
|  |                   | PASE 1                          | , <b>4 L</b>    |
| Temp WET BULB TEMPERATURE DEPRES ON F  |                   | TOTAL                           | TITAL           |
|  | TH 14 7 41        | * 5 * 5 * 5                     | er fra 1 (en 1  |
| 72/ 7:   |                   | 3 3                             |                 |
| 75/69  |                   | $\frac{1}{18}$ , $\frac{1}{18}$ |                 |
| 65/67 .4 .1 1.2 .9   |                   | 18 18                           | •               |
| 66/65 3 3 3 1 64/63 3 3 7 9 1 3  | *                 | 16 16                           | 5               |
| 66/ 65<br>64/ 63<br>62/ 61<br>60 1.0 1.6 3 1   |                   | 25 25                           | 2               |
| 60/ 59 3 2.2 1.9 11 3  |                   | 33 33                           | 19              |
| 55/ 57 .3 1.5 1.6 1.0 1.C  |                   | 37 37                           | 22              |
| 36/ 35 .1 1.6 1.3 1.0 1,9 .3   |                   | 43 43                           | 46<br>63        |
| 54/ 53   |                   | 69 69                           | 63              |
| 52/ 51 .7 3.5 3.3 .6 ,1  | ~                 | 56 56                           | 54              |
| 50/ 49 4.0 3.1 2.2 1.2 .7 .1   |                   | 77. 77                          | 82 1            |
| 48/ 47 1.8 2.7 1.2 .3  |                   | 40 40                           | \$C<br>50       |
| 46/45 2,1 1.6 .9·  |                   | 31 31<br>31 31                  | 50<br>41        |
| 44/43 1.0 2.4 .3 .9  |                   | 31 31<br>47 47                  | 27              |
| 44/ 43 1.0 2.4 .3 .9<br>42/ 41 1.8 4.0 1.2<br>40/ 39 2.7 3.0 .3<br>38/ 37 3.9 1.0<br>30/ 35 3.1 .7   | <del></del>       | - 45· 46·                       | 56              |
| 38/ 37 3.9 1.0   |                   | 33 33                           | 36              |
| 36/ 35 3.1 .7  |                   | 26 36                           | 28              |
|  |                   | 13 13                           | 15              |
| 8 32/31 2.4  | - • - • -         | 16 16                           | $\frac{15}{16}$ |
| § 3C/29 .7 .1  | - •               | <u> </u>                        | <u>5</u> .      |
| 20/ 27 .3  |                   | 2 2                             | 3               |
| 26/ 25 .1 .1 .1  |                   | $\frac{2}{3}$ . $\frac{2}{3}$ . | 2               |
| 24/23 11 22/21   |                   | - 1                             | ,               |
| 20/ 19   |                   |                                 |                 |
| 2 TOTAL 27.730.917.111.9 8.6 2.8 .9 .1   |                   | 674                             | 6               |
|  |                   | 574                             | 674             |
| 9  |                   |                                 |                 |
| 59 29.2  |                   |                                 | -               |
|  |                   |                                 |                 |
|  |                   |                                 |                 |
| Element (Y) $\Sigma_{X^2}$ $\Sigma_{X}$ $\overline{X}$ $\sigma_{x}$ No Obs.  | ear No of Hours - | ith Temperature                 |                 |
| Rel. Hum. 4902910 56590 84, 015, 005 674 : 0 5 : 32 F  | € 67 F € 77 5     | , #0 F . 93 F                   |                 |
| Dry Bulb 1678349 33057; 49, 0 9, 205; 674 29, 8  | 24.3              |                                 | 7               |
| Ref. Hum. 4902910 56590 84,015,005 674 105 132 F  Dry Bulb 1678349 33057; 49,0 9,205 674 29.8  Wet Bulb 1488002 31256 46,4 7,567 674 29.8  Dew Point 1334079 29593: 43,9! 7,186 674 50.8 |                   |                                 | 7               |
| Dew Point 1334079! 29593! 43.9! 7.186! 674 . 50.8  |                   |                                 | 7               |

## PSYCHROMETRIC SUMMARY

٠<u>.</u> .

34199 SIEGENBURG GERMANY GUNNERY RANGE 68-79
PAGE 1

| 7;                                    |                | <b>≒</b> €        | BULB TEMPERATURE                        | DEFRESS ON F |                  |             |            | *:***             |             | -: · A.          |        |
|---------------------------------------|----------------|-------------------|---|--------------|------------------|-------------|------------|-------------------|-------------|------------------|--------|
| F                                     | \$ 1.2 3 4 5-  | 6 . 8 6 . 13      | The rate of the rate of                 | T 8 19 22 2  | * II II II II II | 20-17-10-10 |            | 18 **             |             |                  |        |
| 58/ 57                                |                | , 5               | •                                       | -            | -                |             |            | 2                 | 2           |                  |        |
| 36/ 53                                |                | .7                |   |              |                  |             |            | 3                 | 3           |                  |        |
| 547 53                                |                | .2 .5             |   |              | -                | •           |            | 5.                | 3.          |                  |        |
| 54/ 51                                |                | 1.7               |   |              |                  |             |            | 7                 | 7           |                  |        |
| 5¢7 49                                | .7 3,2         | 15 <del>7</del> 5 | • • •                                   |              |                  |             |            | 20                | 20          | 4                |        |
| 48/ 47                                | .2 .2 5.9 1    | 5 <u>5</u><br>0 2 |   |              |                  |             |            | 31                | 31          | ç                |        |
| 467 45                                | .2 5.2 2.7     | 2                 |   | * ·          | •                |             |            | 38                | 35          | 26               |        |
| 4/ 43                                 | 1.0 4.5 1      | , <u>5</u>        |   |              |                  |             |            | 25                | 2 5         | 54               | •      |
| 42/ 41                                | 4.7 5.7 1.7    | ·                 |   |              |                  |             | •          | 45                | 49          | 57               | į      |
| C/ 39                                 | 2,2 3.7 1.     |                   |   |              |                  |             |            | 36                | 36          | 38               | 6<br>4 |
| 38/ 37                                | 1.2 4.2        |                   | · ·                                     |              |                  |             | -          | 22                | 22          | 40               | 3      |
| 6/ 35                                 | ,5 8.9 1.2     |                   |   |              |                  |             |            | 43                | 43          | 20               | 4      |
| 4/ 33                                 | 3,5 4,5 ,5     |                   |   |              |                  |             |            | 34                | 34          | 55               | 3      |
| 2/ 31                                 | 7.4 3.0 .2     |                   |   |              |                  |             |            | 43                | 43          | 45               | Š      |
| C/ 29                                 | 3,7 2.0 .5     |                   | •                                       |              | • ×              | -           |            | 25                | 25          | 28               | 3      |
| 28/ 27                                | 1.5 .5 .2      |                   |   |              |                  |             |            | 25<br>9<br>8<br>6 |             | - 5              |        |
| 3/ 25                                 | 1.0 .2         |                   |   |              |                  |             |            | É.                | 9<br>5      | ĪŹ               | :      |
| 24/ 23                                | 1.2 .2         |                   |   |              |                  |             |            | Á                 | 1           | 6                |        |
| 22/ 21                                | -115-15        |                   |   |              |                  |             | -          | ٠.                | ٣.          | ٠,               |        |
| 20/ 19                                |                |                   |   |              |                  |             |            |                   |             |                  |        |
| 4 L / L 7                             |                |                   |   |              |                  |             |            |                   |             |                  |        |
| TAL                                   | 25 645 518 3 2 | 5 4 2             |   |              |                  | *           |            |                   | 404         |                  | 7.0    |
| TAL                                   | 26,545,518,3 3 | .5 4.2            |   |              |                  | -           |            | 454               | 404         | 434              | 40     |
| TAL                                   | 26,545,518,3 3 | ,5 4,2            |   |              |                  | ·<br>·      |            | 454               | 404         | 404              | 40     |
| TAL                                   | 26,545,518,3 3 | ,5 4,2            |   |              | *                |             |            | 404               | 404         | 494              | 4¢     |
| TAL                                   | 26,545,518,3 3 | ,5 4,2            |   |              |                  |             |            | 454               | 404         | 404              | 40     |
| TAL                                   | 26,545,518,3 3 | ,5 4,2            |   |              |                  |             |            | . 494             | 404         | 4 <u>9</u> 4]    | 40     |
| TAL                                   | 26,545,518,3 3 | .5 4,2            |   |              |                  |             | ·<br>·-    | 454               | 404         | 404 <u>.</u>     | 4      |
| TAL                                   | 26.545.518.3 3 | .5 4,2            |   |              |                  | •           |            | 494               | 40 <b>à</b> | 494 <sub>.</sub> | 40     |
| 741                                   | 26.545.518.3 3 | .5 4.2            |   |              |                  |             |            | 434               | 404         | 494 <u>.</u>     | 4      |
| TAL                                   | 26.545.518.3 3 | .5 4.2            |   |              |                  |             |            | 454               | 404         | 404 <u>.</u>     | 4      |
| TAL                                   | 26.545.518.3 3 | .5 4.2            |   |              |                  |             |            | 454               | 404         | 494]             | 4      |
| TAL                                   | 26.545.518.3 3 | .5 4.2            |   |              |                  |             |            | 454               | 404         | 494              | 4      |
|                                       | 26.545.518.3 3 | .5 4.2            |   |              |                  |             |            | 454               | 404         | 494 <sub>.</sub> | 40     |
|                                       | 26.545.518.3 3 | .5 4.2            |   |              |                  |             |            | 454               | 404         | 494 <sub>.</sub> | 40     |
|                                       |                |                   |   | No. Obs.     |                  | Hen Na      | of Moy's a |                   |             | 494 <sub>.</sub> | 40     |
| lenery (X)                            | Σχ1            |                   | X 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | No. Obs.     | 2 CF - 17:       |             |            | th Temper to      |             |                  |        |
| ienen (X)                             | *x' 3069527;   |                   | 86,312,096                              | 404          | : c F - 32 F     | 16" F       | of Moyes w |                   |             |                  | p*c.   |
| iement (X) iel Hum. iny Bulb fer Bulb | Σχ1            |                   |   |              | 156,<br>174,     | 8 : 6° F    |            | th Temper to      |             |                  |        |

TAC 1644 0.26.5 (Ol. A) HINHO HIWKHI RELICON OF INS FORM AT DISOUTH

USAFETAC 164M A 22. 5 17

#### PSYCHROMETRIC SUMMARY

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SIEGENBURG GERMANY BUNNERY RANGE

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HET BULB TEMPERATURE DEPRESSION F មែលមិន ស្តី។ ស៊ី។ ក្រុង នេះ។ សេ 41 427 .7 3.1 40/ 39 2 16 3 7 367 36/ 35 34/ 33 129 52 5 9 4 9 129 5 2 5 9 4 9 32/ 31 30/ 29 28/ 27 3 ≥ 7 1-250 0 KU IS PI 1-363 CO IN T 6,5 5.2 4,8 2.6 9529752666 4,8 2,0 1,7 6,3 1,0 8,6 12 17 1,2 17 1,4 1,4 2,9 1,0 1,2 1,7 1,2 1,7 1,2 1,7 1,2 26/ 25 24/ 23 22/ 21 20/ 19 16/ 17 16/ 13 13 147 127 157 5/ 5/ 5 4/ 3 2/ 1 0/ =1 .2 =2/ <del>53</del> 13 =6/ =7 416 Eignes- T No 021 Mean his of Mauric with Tempera wit 36797. 11389 11015. 3287371 348539 325351 85.5 8.652 27.3 9.493 25.5 9.143 416 417 - 32 5 Se. Her 17,8 599,3

415

Philip Piteras Heissey of Del Pola are Olivers

0.26-5 (OL A) 44 44 44 64

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We- Bulb

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DATA PROCESSI \_\_I/ISI % USAF ETAC AIR WEATTER SETVICE/ 'AC

## PSYCHROMETRIC SUMMARY

34199 SIEGE RURG GERNA Y SUN ERY RAUSE 69-7

PAGE 1 2600+08/10

| Temp      |      |             |              |               |  | WET           | BULB         | TEMPE         | RATURE                                       | DEPRE  | SSION         | (F)  |                |  |           | TOTAL          |              | TOTAL          |                 |
|-----------|------|-------------|--------------|---------------|--|---------------|--------------|---------------|--|--|---------------|--|----------------|--|-----------|----------------|--------------|----------------|-----------------|
| (F)       | 0_   |             |              | 5 - 6         | 7 - 8  | 9 - 10        | 11 - 12      | 13 - 14       | 15 - 16                                      | 17 - 18  | 19 - 20       | 21 - 22 23                                       | 3 - 24 25 - 26 | 27 - 28 21                                       | 9 30 + 31 | ⊃ B. ₩.B       | Dry Buib     | wer Bu c       | Den Por         |
| 40/ 39    |      | 5.3         |              |               |  |               |              |               |  |  |               |  | <b>-</b>       | • •-   |           | 5              | 6            | 2              | •               |
| 38/ 37    | İ    |             |              | 1             |  |               | ,            | ,             |  |  |               |  |                |  |           |                |              | 4              | 3               |
| 36/ 35    |      | 5.3         |              | !             | 1  |               | <del>;</del> |               |  |  |               |  |                | •  |           | 9.             | - 6          | 2              |                 |
| 34/ 33    | 1.8  | 5.3         |              | 1             |  |               |              |               | •  | 1 1  |               | 1  | 1              |  |           | ء              | g            | 12             | 18<br>10        |
| 32/ 31    | 6.1  |             |              | <del></del>   | <del>  </del>                                    |               | +            |               | <del>,</del>                                 |  |               |  |                |  |           | 17             | 17           | $\frac{12}{9}$ | 13              |
| 30/ 29    | 1.6  |             |              |               | 1  | 1             |              | 1             |  | . [  | ı             |  |                |  |           | * <del>'</del> | 7            | 14             | 10              |
| 28/ 27    | 2.5  |             |              |               |  |               | +            |               |  |  |               |  |                | •  |           | <del>'</del>   |              | · - 🚉          | · - <del></del> |
| 26/ 25    | 4.4  | 3.5         | 1            |               |  | ĺ             |              | ŧ             | 1  | 1  | Í             | i  |                |  |           | 9              | - 7          |                |                 |
| 24/ 23    | 14.5 | 1.9         |              | ├──           | <del>                                     </del> |               | ┼──          | <del></del>   | <del></del>                                  |  |               | <del>-  -</del>                                  |                | <del>-;</del>                                    |           |                | 18           | 22             | 16              |
| 22/ 21    |      | , ,         |              | ĺ             | 1  | 1             | 1            |               | i  | :  | İ             |  |                |  |           | 15             | - 0          | 24             | 3.4             |
|           | 11.4 | • 9         |              | ├             |  |               | <del></del>  | <u> </u>      | <del></del>                                  |  |               | <del>                                     </del> |                |  |           | 14             | -14          | 13             | 1               |
|           | 8.8  |             | Ì            | •             | 1 1  | i             | 1            | 1             |  | :  | ı             | 1 1  |                |  |           |                |              |                |                 |
|           |      |             | i            | <u>!</u>      |  |               | <del>!</del> | <del> </del>  | <del>!</del>                                 |  |               | <del>↓</del>  _                                  |                |  |           | <u>1ç</u> .    | 1 c          |                | 1               |
| 16/ 15    | 5.3  |             | 1            |               |  | ĺ             | Ì            | :             | İ  |  | i             |  |                |  |           | 5              | 6            |                |                 |
| 14/ 13    | 4.4  |             |              | ļ             | لـــــا  | <u> </u>      | <del> </del> | <u>i</u>      | <u>i                                    </u> |  |               |  |                |  |           |                | 5            |                |                 |
| 12/ 11    | . 9  | . ;         |              |               |  | ł             | 1            | 1             |  |  | ł             |  |                |  |           | 1              | 1            | . 1            |                 |
| 10/ 9     | 1.8  |             | <u> </u>     |               |  |               |              | <u> </u>      | <u> </u>                                     |  |               |  |                |  |           | 2.             | 2            | 2              |                 |
| 8/ 7      | - 9  |             |              | 1             |  |               |              | i             | 1  |  |               |  |                |  |           | 1              | 1            | . 1            | ;               |
| TOTAL     | 34.3 | 36.J        | <u> </u>     | ·             |  | <u> </u>      | -l           |               |  |  | ı             | <u> </u>   |                |  |           |                | 114          |                | 114             |
|           |      |             |              |               |  |               |              |               | l  | T .  |               |  |                | 1  |           | 214            |              | 114            |                 |
|           |      |             |              |               |  |               |              | <u> </u>      | 1  | 1  | i             |  | 1              | 4  |           |                |              |                |                 |
|           |      |             |              |               |  |               |              |               | i  |  | 1             |  |                | 1  |           |                |              | ,              |                 |
| 1         |      | , '         | İ            | 1             |  | ĺ             | 1            |               | 1  | 1  | į             |  | İ              |  |           |                |              |                |                 |
|           |      |             | 1            |               |  | $\overline{}$ | T            | 1             | T  | 1  | $\overline{}$ |  |                | 1  |           |                |              |                |                 |
| 1         |      | 1           |              | 1             | ] ]  | ı             | }            | 1             | İ  |  | Į.            |  | l              | !  |           | ,              |              |                |                 |
|           |      |             | <u> </u>     | $\overline{}$ |  | i             | 1            | 1             | T-   | 1  | i             |  |                |  |           |                |              |                |                 |
| 1         |      | i '         |              | 1             | 1  | l             | 1            | 1             | 1  |  | İ             |  | Ì              |  |           |                |              | 1              |                 |
|           |      |             | <del> </del> | <del></del>   |  | <del></del>   | +-           | 1             | i  | 1  | <del></del>   | <del>                                     </del> | <del>- i</del> | + +  |           |                |              |                |                 |
| ì         |      | i           | 1            | 1             | 1  | Ì             | 1            | 1             | 1  | 1  | İ             |  | į              | 1  | 1         |                |              | 1              |                 |
|           |      | <del></del> | <del></del>  | ├──           | <del>  </del>                                    | <del> </del>  | ┼──          | <del> </del>  | 1  | <del></del>                                      | <del></del>   | <del>  </del> -                                  |                | <del>+                                    </del> |           | <del></del>    |              | <del></del>    | •               |
| Ì         |      | į           | -            |               |  | i             | 1            | İ             |  |  | ĺ             |  |                |  |           | 1 1            |              | 1              |                 |
|           |      |             | <del> </del> | ├──           | <del> </del>                                     |               | ┼──          | ┼──           | ┼──  | <del>                                     </del> |               | ╁╼╌┼╴  |                | +  |           | <del></del>    |              | <del>-</del>   |                 |
| į         |      |             | 1            |               |  |               |              |               | l  | 1  |               |  |                |  | 1         |                |              | !              |                 |
|           |      |             | ┼            | <del> </del>  | <del> </del> '                                   | <del> </del>  | ┼            | <del></del> - | +  |  |               | <del>  -</del>                                   |                | <del></del>                                      |           | <del></del> ;  |              | <del></del>    |                 |
| -         |      |             |              |               |  | 1             |              | I             |  |  | ĺ             |  |                |  | 1         |                |              | 1              |                 |
| <u> </u>  |      | T2          | <u> </u>     | ┼             | Ţ.,  | <del></del>   | ㅗㅡ           | +             | ┷┯   | No. Ob   | <u> </u>      | ┸  |                | <del></del>                                      |           | 11. 7          |              | <del></del>    |                 |
| Rel. Hum. |      | Σχ²         | 1233         |               | ZX   | 22            | X .          | , o,          |  |  |               |  |                |  |           | ith Temperate  |              |                |                 |
|           |      |             |              |               | 107  |               | 74.1         | 4.8           | <u> </u>                                     |  | 14            | = 0 F  | ± 32 F         | € 67 F   | ≥ 73 F    | → 80 F         | ≥ 93         | r 1            | Total           |
| Dry Bulb  |      |             | 18888        |               |  | 70            | 25.2         | 7,6           | 202  |  | 14            | <b> </b>   | 76.            | <u> </u>   | _ [       |                | ——           | <del></del>    | - 93            |
| Wet Bulb  |      |             | 5938         |               |  | 24            | 24.6         | 7,2           |  |  | 14            |  | 76.            | <u> </u>   |           | <del></del>    | <del> </del> |                | 93<br>93        |
| Dew Point |      | - 6         | 9741         | .l            | 27   | ัวบ ี         | 23.7         | 7 7.          | 1311   | 1  | 14            | ı  | 95.            | 71   | 1         | 1              | 1            | i              | ų n             |

A) I MISTO MEYIOUS EDITIONS OF THIS FORM ARE OBSORTE

FOEM 0-26-5 (OL.)

USAFETAC FOUN

SIEGENBURG GERMANY GUNNERY RANGE

#### PSYCHROMETRIC SUMMARY

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93 93 93

0900-1100 PAGE 1 WET BU\_B TEMPERATURE DEPRESSION (F) TOTAL emp (F) 3-4 5-6 7-8 9-10 11-12 13-14 15-16 17-18 19-20 21-22 23-24 25-26 27-28 29 30 +3" DB. WB 42/ 41 1.6 2 35/ 37 36/ 35 3.6 1 C 8 4 5 16 15 10 4 10 9 11 20 11 9 3 18/ 17 16/ 15 14/ 13 12/ 11 4.5 <u>6</u> , 9 1 . 8 10/ 1.8 57.142.0 112 No. Obs. Mean No. of Hours with Temperature Element (X) 972129 86741 83139 93.0 5.415 26.8 7.488 26.3 7.100 25.0 7.097 10417 112 112 112 Rel. der. ± 32 F ≥ 93 F 3003 2947 2805

69.8

RINSID PREVIOUS EDITIONS OF THIS FORM ARE OBSOLUTE 0.26 5 (OL A)

Dry Bulb Wet Bulb

73841

## **PSYCHROMETRIC SUMMARY**

34199 SIEGENBURG GERMANY GUNNERY RANGE 69-70

- Jak

1200-1400 PAGE 1

| Temp.                 |              |               |                          |                 | E DEPRESSION                                  |  |              |          |              | TOTAL                       |               | TOTAL   |
|-----------------------|--------------|---------------|--------------------------|-----------------|---|--|--------------|----------|--------------|-----------------------------|---------------|---|
| (F)                   |              | 6 7-8 9-1     | 0 11 - 12                | 13 - 14 15 - 16 | 17 - 18 19 - 20                               | 21 - 22 23                                       | · 24 25 · 25 | 27 28 29 | 30 - 31      | ⊅8.¥8 (                     | Pre Bu b ™    | e But Dew Po  |
| 44/ 43                | 2.7          |               |                          |                 |   |  |              |          | •            | <b>ັ</b> 3ໍ                 | 3             | •   |
| 42/ 41                | 2.79         | l .           |                          |                 |   |  |              |          |              | 4                           | 4             | 4   |
| 40/ 39.               |              |               |                          |                 |   |  |              |          |              | Ą                           | 8             | 2 3   |
| 38/ 37:               |              |               |                          |                 |   |  |              |          |              | 7                           | 7             |   |
| 36/ 35                | 2.7          |               |                          |                 |   |  |              |          | - •          | <del>-</del> <del>3</del> . | 3             | $-\frac{11}{5}$ . $\frac{1}{11}$                                |
| 34/ 33                |              | +             |                          |                 |   |  |              |          |              | 12                          | 12            | 14.   |
| 32/ 32                | 6.410.0      | ,             |                          |                 | i i   |  |              |          |              | 18                          | 18            | $\begin{array}{c c} 14 \\ \hline 12 & \overline{2} \end{array}$ |
| 30/ 29                | 5.5 3.6      | 1             |                          |                 | ļ.  |  |              |          |              | 10                          | 10            | 15 10<br>7 9  |
| 28/ 27                | 3,6 2.7      | š             |                          | 1               |   |  |              |          |              | 7<br>14                     | 7             | 7 9   |
| 24/ 23                | 9.1 1.8      |               | <del></del> +            |                 |   | <del>i i</del>                                   | <del></del>  |          |              | 12                          | 12            | 15. 10<br>11 16   |
|                       | 9.1. 9:      |               | -                        | i               | ļ   | ! !  |              |          |              | iī                          | īī            | 13 11   |
| 20/ 19                |              | - <del></del> | · <del>· · · · · ·</del> | <del></del>     | <del></del>                                   | <del></del>                                      |              |          |              |                             |               |   |
| 18/ 17                |              | ŧ             | •                        | :               |   | 1  |              |          |              |                             |               |   |
| 16/ 15                | , 9          |               |                          | <del></del>     |   |  |              |          |              | 1                           | <u></u>       | 1   |
| DTAL                  | 30.946.4 2.7 |               | ·                        | ļ               | •   |  |              |          |              | _                           | 110           | ĩìo   |
|                       |              |               |                          |                 |   | -  |              |          |              | 110                         | - <del></del> | 110   |
|                       |              | i             |                          | 1               | :   |  |              |          |              |                             |               | - • •   |
|                       |              |               |                          |                 |   |  |              |          |              | <u> </u>                    |               |   |
|                       |              |               | <u> </u>                 |                 | :   | ·  |              |          |              |                             |               |   |
|                       |              |               | ;                        |                 |   |  |              |          |              |                             |               |   |
| :                     |              | i             | i                        | :               | <u> </u>                                      | <u> </u>   |              |          | :            |                             |               |   |
|                       |              |               |                          | 1               | ,   | ;  |              |          |              |                             |               |   |
|                       |              |               |                          |                 | <u> </u>                                      | <u> </u>   |              |          |              |                             |               |   |
|                       | ,            |               |                          | 1               |   | :  | : ;          |          |              | i                           |               | -   |
|                       |              |               |                          |                 | <u> </u>                                      | <u> </u>   |              |          |              |                             |               |   |
|                       | :            | !             |                          | į               | : !   |  |              |          | 1            |                             |               |   |
|                       |              |               | ·                        |                 | <u>i                                     </u> | <del>                                     </del> |              |          |              |                             |               |   |
| ,                     |              | j             |                          | !               |   |  | i i          | 1        | ;            | ,                           | •             |   |
|                       |              |               | <u> </u>                 | Ļ_              | <u> </u>                                      | <u> </u>   |              |          |              |                             |               |   |
| i                     |              |               | :                        | İ               |   |  | : l          | İ        | !            |                             | i             | ,   |
|                       |              |               | <del></del>              |                 | .il   |  |              |          |              | <u>. į — į</u>              |               |   |
|                       |              |               |                          |                 | 1 i   |  | 1 1          | ĺ        | 1            |                             | ;             |   |
| Element ( ()          | Σχ'          | Σχ            |                          | - <del>,</del>  | Ho. O>s.                                      |  |              |          | · · ·        | th Temperatu                |               |   |
| Rel. Hum.             |              |               | - <del>X</del> -         |                 |   |  | 1 . 22 5 1   |          |              |                             | + 93 F        | 1   |
| Kel. Hum.<br>Dry Bulb | 915173       | 10009         | - Y1 , C                 | 6,386           | 110   | ± 0 F  | ± 32 F       | ≥ 67 F   | ≥ 73 F       | ≥ 80 F                      | ₹ 93 F        | Total   |
| Wet Bulb              | 105028       | 3328          | 20.3                     | 6,311           | 110   |  | 61.7         |          | <del> </del> | <del>:</del>                | <del> </del>  | 92  |
| Dew Point             | 99555        | 3249          | <u> </u>                 | 3,740           | 110   |  | 62.6         |          | <del> </del> | <del>:</del>                | <del> </del>  | 93  |
| New Point             | 89011        | 30691         | 27.91                    | 5,573           | 110   |  | 74,4         |          | <u> </u>     | 1                           |               | 9:  |

## PSYCHROMETRIC SUMMARY

SIEGENBURG GERMANY GUNNERY RANGE 69-70 ۲۵۲ 1500+1700 PAGE 1

| Temp        |               |   | LB TEMPERATUR        |  |   |             |                  | TOTAL       |         | TAL.           |      |
|-------------|---------------|---|----------------------|--|---|-------------|------------------|-------------|---------|----------------|------|
| (F)         |               | -6 7-8 9-10 11                                    | - 12 13 - 14 15 - 16 | 5 17 - 15 19 - 20                                | 21 - 22 23 - 24 25 - 26                           | 27 28 29    | 30 31            | 9. ¥.8 p.,  | B. c *e | Bu = Ce= P     | ٠, ^ |
| 44/ 43      | 4 ( 7         |   |                      |  |   |             |                  | 2           | 2       |                |      |
| 42/ 41.     | 7.3           |   |                      | ·  |   |             |                  | 3           | 3       | 3              | _    |
| 40/ 39      | 7.3           |   |                      |  |   |             |                  | 3           | 3       | 3              | 2    |
| 38/ 37      | 7.3:          |   |                      |  | · · · · · · · · · · · · · · · · · · ·             |             |                  | 3           | 3.      | 2              | 4    |
| 36/ 35      | 4.9;          |   |                      |  |   |             |                  | 2           | 2       | 3              | 4    |
| 34/ 33;     | 7.3: 2.4:     |   |                      |  |   | • • · · ·   |                  | 4           | 4       | 6.             | 1    |
| 32/ 31      | 4.914.6 2.4   |   |                      |  |   |             |                  | 9           | 9       | 6              | 8    |
| 30/ 29      | 2.4 4.9       | · · · · · · · · · · · · · · · · · · ·             | ·                    |  | · <del>,</del>                                    |             |                  |             | 3       |                | 4_   |
| 28/ 27      | 2,4 2.4       | 1   |                      | i  |   | •           |                  | 2           | 2       | 2              | 4    |
| 26/ 25      | 4.9           |   |                      |  | <del>!</del>                                      |             |                  |             | <u></u> | . <u>. 2</u> . | 2    |
| 24/ 23      | 9.8 7.3       | ' i   |                      | .  |   |             |                  | 7           | 7       |                |      |
| 22/ 21      | 2.4           | _ <del></del>                                     |                      | <del></del>                                      | <del> </del>                                      |             |                  | 1           | 1       | ³. <i></i>     | 3    |
| 20/ 19      | 2/ 1/40 4 0 4 |   |                      |  |   |             |                  |             | ٨.      |                |      |
| TOTAL       | 34.163.4 2.4  | <del></del>                                       | <del></del>          |  |   |             |                  |             | 41      | - <del></del>  | 1    |
|             | 8             | !   |                      |  |   |             |                  | 41          |         | 41             |      |
| <del></del> | <del></del>   | <del></del>                                       | !!                   | <del></del>                                      | <del></del> .                                     |             | <del>- `</del> - |             |         |                | -    |
|             | į<br>•        |   | :                    | i.   | 1   |             |                  |             |         |                |      |
| <b> </b>    | <del></del>   | <del></del>                                       | <del>i_</del>        | <del></del> -                                    | <del></del>                                       |             |                  |             |         |                |      |
|             | 4             |   | 1                    | : :  | •   |             |                  |             |         |                |      |
|             | - <del></del> | <del>-   -   -   -</del>                          | !                    | <del></del>                                      | <del></del>                                       |             |                  |             |         |                |      |
| 1           |               |   |                      | 1  | 1   |             |                  |             |         |                |      |
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|             |               |   |                      |  | ;   |             |                  |             |         |                |      |
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| 1           |               |   | 1                    |  |   |             |                  |             |         |                |      |
|             |               | <del></del>                                       |                      | <del>                                     </del> | <del>                                     </del>  | <del></del> |                  |             |         |                |      |
| j           |               |   | i !                  |  |   |             |                  |             |         |                |      |
|             |               | <del></del>                                       | <del></del>          | <del>                                     </del> |   |             | <del></del>      |             |         |                |      |
| ]           |               |   | 1                    |  |   |             |                  |             |         |                |      |
| 1           |               | - <del>                                    </del> |                      |  |   |             |                  |             |         |                |      |
| 1 i         |               |   |                      |  |   | : ;         | : .              |             |         |                |      |
|             |               |   |                      | 1 1  |   | <u> </u>    |                  |             |         | <del></del>    |      |
| <u> </u>    |               |   | iI                   |  |   | _           |                  |             |         |                |      |
| Element (X) | Σχ2           | ZX X  |                      | No. Obs.   |   | Mean No.    | of Hours with    | Temperature |         |                | _    |
| Rel. Hum.   | 330144        | 3670 89   | 5 6.392              | 41   | ± 0 F   ± 32 F                                    | ≥ 67 F      | ≥ 73 F           | - 80 F      | ₹ 93 F  | Total          | _    |
| Dry Sulb    | 43800         | 1316 32   | 1 6,244              | 41   | 54,4  | 1           |                  | i           |         | 9              | 3    |
| Wet Bulb    | 41194         | 1278 3  | .2 5,826             | 41   | 54.4  |             | 1                |             |         | 9              | 13   |
| Dew Point   | 36707         |   | .3 5.936             | 41   | 68.0  |             |                  |             |         | 1 9            | 13   |

for O.26-5 (OL. A) territo retrous toricos of this folk all obsolits

# PSYCHROMETRIC SUMMARY

| 4195             | 2 2 0 217 0 0 10 | STA ON NAME                                      | 444541           | MANUE            | 69-70  |  |             | 125       |  | PAGE                       | -<br>: 1       |                 |       |
|------------------|------------------|--|------------------|------------------|--|--|-------------|-----------|--|----------------------------|----------------|-----------------|-------|
|                  |                  |  |                  |                  |  |  |             |           |  | - AO                       |                | ŽÕÕÕ            |       |
| Temp             |                  |  |                  |                  | RE DEPRESSION                                    |  |             |           |  | TOTAL                      |                | TOTAL           |       |
| (F.              | 0 1 2 3 - 4      | 5 - 6 7 - 8 9 - 1                                | 0 11 - 12        | 13 - 14 15 -     | 16 17 - 18 19 - 20                               | 21 - 22 23 - 1                                   | 24 25 - 26  | 27_ 28_29 | 30° + 3.   |                            |                | mer Bu s D      | e - D |
| 42/ 41           | 2.7              |  |                  |                  |  |  |             |           |  | 3                          | 3              | -               |       |
| 40/ 39<br>38/ 37 | 8 <b>1</b> 2 • 7 | <del></del>                                      | <del></del>      |                  |  |  |             |           |  |                            | 9              | <del> 7</del> . |       |
| 36/ 35           | 7.2              |  |                  |                  |  |  |             |           |  | 9                          | 2              |                 |       |
| 347 33           | 1.8 6.3          | i  |                  |                  |  | •  |             | •         | •  | . 3                        | - <del>8</del> | 13              |       |
| 32/ 31           | 5.4 7.2          |  |                  |                  |  |  |             |           |  | 14                         | 14             | 17              |       |
| 30: 29           | 2.7 5.4          |  |                  |                  | <del></del>                                      | ·  |             |           | •  | 7                          | 14             | 14              |       |
| 28/ 27           | 5.4 2.7          |  |                  |                  | ı  |  |             |           |  | 9                          | 9              |                 |       |
| 26/ 25           | 3,6              | <del></del>                                      |                  |                  |  |  |             |           |  | 4                          | 15             | 11              | -     |
|                  | 10.8 2.7         | <u> </u>   |                  |                  |  | :  |             |           |  | 15                         | 15             | = <u>12</u> .   |       |
| 22/ 21           |                  |  |                  | .                |  |  |             |           |  | 5                          | 5              | 7               | •     |
|                  | 4.5 2.7          | <del>                                     </del> | <del></del>      | ·                |  | <u> </u>   |             |           | <b></b>  | <u> </u>                   | . 8            | <u> </u>        |       |
| 18/ 17           |                  | , , ,  | Ŷ                | ,                |  | •  |             |           |  |                            |                | 1               |       |
| 16/ 15           | 2,7 ,9           | <del></del>                                      |                  |                  |  | <del></del>                                      |             |           |  | <del></del>                | <del>1</del>   | · 1/4           |       |
| 14/ 13 12/ 11    | 2,7 ,9           | 1 • •  |                  | ı İ              |  |  |             |           |  | 5                          | 3              | 4               |       |
| 10/ 9            |                  | ·  | ·                | ·                | <del></del>                                      | <del></del> :                                    |             |           |  | <del></del>                | - 5            | <del></del>     |       |
| 8/ 7             |                  | •  |                  |                  |  | -  |             |           |  | •                          |                | -               |       |
| =2/·=3           |                  | <del>                                     </del> | -                | L <u> </u>       |  | <del></del>                                      |             |           | <del></del>                                      | · 3                        | 3.             | 3               | _     |
| -4/ -5           |                  |  | ı                |                  | ,  |  |             |           |  |                            |                |                 |       |
| =6/ =7           |                  |  | •                |                  |  | 1  |             |           |  |                            |                |                 |       |
| DTAL             | 49.550.5         |  |                  | <u> </u>         |  |  |             |           |  |                            | 111            |                 | 1     |
|                  |                  |  | i                | ;                |  | :  |             |           |  | 111                        |                | 111             |       |
|                  | <del></del>      | <del>                                     </del> | <del></del>      | <u></u>          | <del></del>                                      | <del></del>                                      |             |           |  | <del></del>                |                |                 |       |
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|                  | <del></del>      | <del>                                     </del> | +                | <del></del>      | <del>-                                    </del> | <del>                                     </del> |             |           |  |                            |                |                 |       |
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|                  |                  | <u> </u>   |                  |                  |  | <u>!                                    </u>     | <u> </u>    |           |  | •                          |                |                 |       |
|                  |                  |  |                  |                  |  | i  | :           |           |  | · · · · <del>- · · ·</del> |                |                 |       |
|                  | <del>  </del>    |  | <del></del>      | <u> </u>         |  | <del> </del>                                     |             |           |  |                            |                |                 |       |
|                  |                  |  | Ĭ                |                  |  |  |             | į         |  |                            |                |                 |       |
| Element (X)      | Z <sub>A</sub> 2 | ξχ   | <del>-  </del> - | <del>  •</del> , | No. Obs.   | !  |             | Mean No   | of Hours wi                                      | th Temperati               | ure            |                 | _     |
| Rel. Hum.        | 92724            |  |                  | 4.845            | 111  | = 0 F  | ± 32 F      | ≥ 67 F    |  | * + 80 F                   | . ≠ 93 F       | T.              | tol   |
| Dry Bulb         | 9004             |  | 26.9             | 9.427            | iii  | 2.3  | 59.8        |           | <del>                                     </del> | <del>,</del>               | 1              | <del></del>     |       |
| Wer Bulb         | 8592             | 3 2921   | 26.3             | 9.073            | 111  | 2,3  | 60.5        |           | 1  |                            | i              |                 |       |
| Dew Point        | 7747             |  |                  | 9.387            | 111  | 2.3  | 68.9        |           | 1  |                            | T              | 1               |       |

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USAFETAC

34199 SIEGENBURG GERMANY GUNNERY RANGE 69-70

#### **PSYCHROMETRIC SUMMARY**

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|  |                 |             |  |                 |                 |                |             |             | PAC               | 5E 1                  | <u>0900-11</u>  |
|--|-----------------|-------------|--|-----------------|-----------------|----------------|-------------|-------------|-------------------|-----------------------|-----------------|
| Te~p   |                 |             |  |                 | E DEPRESSION    |                |             |             | TOTAL             |                       | TOTAL           |
| (F'  | 0 1-2 3-4 5     | 6 7-8 9-10  | 11 - 12                                | 13 - 14 15 - 16 | 17 - 18 19 - 20 | 21 - 22 23 - 2 | 4 25 26     | 27 29 29    | 20 . 21 ℃ B. ≒.8  | [5 B <sub>2-5</sub> ] | met Bu ti Dew 1 |
| 6/ 45  | 19              |             |  |                 |                 |                |             |             |                   | 1                     |                 |
| 4/ 43  | <u> </u>        |             |  |                 |                 |                |             |             |                   | 1 1                   |                 |
| 2/ 41  | , 9             |             |  |                 |                 |                |             |             |                   | 1                     | 1               |
| C/ 39  | 9.0             |             |  |                 | <del> </del>    |                |             |             |                   |                       | 2               |
| 8/ 37  | 2.7             |             |  |                 |                 |                |             |             |                   | 3 3                   | 10              |
| 6/ 35  | 8.1             |             |  |                 |                 |                |             |             |                   | <del>9 9</del>        | <u>-5</u>       |
| 4/ 33  | 9.0 4.5         |             |  |                 |                 |                |             |             | 1                 | _                     | 20              |
| 2/ 31<br>C/ 29:  | 2.7: 5.4:       | <del></del> |  |                 |                 | . — . —        |             | <del></del> |                   | 9 9                   | . 6             |
| ,  | 2.7.6.3         |             |  |                 | 2               |                |             |             | 1(                |                       |                 |
| 6/ 27  | 3.5.5.4         | <del></del> | ·                                      | <del></del>     | <del></del>     | <del></del>    |             |             | 1                 | <u>1ç</u>             | <u> 12.</u>     |
| 4/ 23  | 6:3<br>2.7. 5.4 |             |  |                 | 1               | · ;            |             |             | •                 | , ,                   | 7               |
| 2/ 21  | 4,5 3.6         |             |  |                 |                 |                |             |             |                   | 9 9                   | 8               |
| C/ 19  | .9: 3.6.        |             |  |                 |                 |                |             |             |                   | , ,<br>E E            | ¥               |
| 8/ 17  |                 | <del></del> |  |                 | <del></del> -   |                |             |             |                   |                       | <del></del>     |
| 6/ 15  | <b>. 9</b> i    |             | :                                      | •               |                 |                |             |             | •                 | 1 1                   | -               |
|  | 3,6             |             |  |                 |                 |                |             |             |                   | 4                     | 5               |
| 2/ 11  | - e             |             |  |                 |                 |                |             |             | •                 |                       | ī               |
| 0/ 9   | 2.7             | <del></del> |  |                 |                 |                |             |             |                   | 3 3                   |                 |
| 8/ 7.  |                 |             |  |                 |                 |                |             |             | •                 | -                     | -               |
| 2/ 1   | 1.8             |             |  |                 |                 |                |             |             |                   | 2 2                   | 2               |
| 2/ +3.   | • <del>9.</del> | •           |  |                 |                 |                |             |             | 1                 | l ī                   | 1               |
| 6/ -7  |                 |             |  |                 |                 |                |             |             |                   |                       |                 |
| ITAL 14  | 2-356.8 .9      |             |  |                 |                 |                |             |             |                   | 111                   | Ī               |
|  | 1               | ,           |  |                 |                 |                |             |             | 11:               | 1                     | 111             |
|  |                 |             |  |                 |                 | <u> </u>       |             |             |                   |                       |                 |
|  | •               |             |  |                 |                 |                |             |             |                   |                       |                 |
|  | <u>-</u>        |             | نـــــــــــــــــــــــــــــــــــــ |                 | <u> </u>        |                | :           |             |                   | <del></del>           |                 |
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| 4<br>1   |                 |             | 1                                      | 1               | ₹ ¥             |                |             |             |                   |                       |                 |
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| Act of the last of |                 |             |  | i               | 1               |                | : -         |             | _                 |                       |                 |
| lement 'X)   | Σχ²             | ZX          | x                                      | ₹.              | No. Obs.        |                |             | Mean No. of | Hours with Temper | ature                 |                 |
| el. Huin   | 907070          | 10014       | 90.2                                   | 5.756           | 111             | 20F            | = 32 F      | € 67 F :    | ≥73 F ≥ 80 F      | - 931                 | F Total         |
| ry bulk  | 95559           | 3101        |  | 9,008           | 111             |                | 53.7        |             |                   |                       |                 |
| et Bulb  | 90644           | 3024        | 27.2                                   |                 | 111             | . 8            | 54.5        |             |                   |                       |                 |
| ew Point   | 309851          | 2825        | 25 5                                   | 9.389           | 111             | 2 . 2!         | 68.11       |             |                   | 1                     |                 |

## PSYCHROMETRIC SUMMARY

34199 SIEGENBURG GERMANY GUNNERY RANGE 69-70 FEB
PAGE 1 1200-1400

| Temp                    |               |       |          | ,                 |        |  |                |         | E DEPRESSI                            |        |             |               | . – .              |              | TOTAL                  |                | TOTAL                  |                |
|-------------------------|---------------|-------|----------|-------------------|--------|--|----------------|---------|---------------------------------------|--------|-------------|---------------|--------------------|--------------|------------------------|----------------|------------------------|----------------|
| (F)                     | 0             | 1 - 2 |          | 7 - 8             | 9 - 10 | 11 - 12  | 13 - 14        | 15 - 16 | 17 - 18 19                            | - 20 2 | 1 - 22 23   | - 24 25 - 26  | .27 - 28.2         | 9 : 32 - 31  | ⊃ B. <del>-</del> .B ( | D-y Bu b '     | re+ Bu ∻ i             | Dew Por        |
| 48/ 47                  |               |       | 1.6.     |                   |        |  |                |         |                                       |        |             |               |                    |              | 2                      | 2              |                        |                |
| <u>46/ 45</u><br>44/ 43 |               |       |          | <br>              |        |  |                |         |                                       |        |             | •             |                    |              | ≱.                     |                | 3.                     |                |
| 42/ 41                  |               | 1.8   | 1.8      |                   |        |  |                |         |                                       |        |             |               |                    |              | 4                      | Δ              | ٥                      |                |
| 40/ 39                  |               | 8.1   | 9        | <br>              |        |  |                |         |                                       |        |             |               | •                  | • -          | <u></u>                | - <u>4</u> .   | À,                     | 4              |
| 38/ 37                  |               | 16,9  |          |                   |        |  |                |         |                                       |        |             |               |                    |              | 21                     | <u>21</u> .    | 16                     | ż              |
| 36/ 35                  |               | 9.0   |          | <br>              |        |  |                |         | *****                                 |        |             |               | • •                | •            | 11                     | - <u>ī</u> î   | 1 <u>6</u><br>21       | 13             |
| 34/ 33                  | 2.7           | 6.3   |          |                   |        |  |                |         | 1                                     |        |             |               |                    |              | ìō.                    | 10             | 14                     | 23             |
| 32/ 31                  | .9            | 4.5   |          |                   |        |  |                |         |                                       |        |             |               |                    |              | 6                      | 6              | 3                      | 15<br>23<br>12 |
| 30/ 29                  | 6.3           | 7.2   |          | <br><u></u>       |        |  | i              |         | <u>.</u>                              |        | !_          |               |                    |              | 15                     | 15             | 13                     | 49             |
| 28/ 27                  | 5 . 4         |       |          |                   |        |  |                |         |                                       | -      |             |               |                    |              | 8                      | 8              | 14                     | 9              |
| 26/ 25                  |               | 3.6   |          | <br><del></del>   |        |  |                |         | ·                                     |        |             |               | ·                  |              |                        |                | _ J.                   | <u>11</u>      |
| 24/ 23                  | 3 • 5         | 2.7   | •        | •                 |        | ,  |                |         |                                       | •      |             |               |                    |              | 7                      | 7              | 11                     | 6              |
| 22/ 21                  |               | 3.6   |          | <br><del></del> : |        |  | <del></del>    |         |                                       |        |             |               |                    |              | <u> </u>               | _ 4.           |                        | 12             |
| 20/ 19                  |               |       |          | •                 |        |  |                |         |                                       |        |             |               |                    |              |                        |                | 1                      |                |
| 18/ 17                  | . 9:          |       |          | <br>              |        | <u> </u>   |                |         |                                       |        |             |               |                    |              | ·                      |                | · · · <del>· · ·</del> | - 4            |
| 16/ 15                  | 1.8           |       |          |                   |        |  |                |         |                                       |        |             |               |                    |              | , i                    | 7              | 2                      | 2              |
| 12/ 11                  | 9:            |       |          | <br>              |        |  | <del></del>    |         | · · · · · · · · · · · · · · · · · · · |        |             |               |                    |              | ·                      | <del>-</del> - |                        |                |
| 10/ 9                   | • •           |       |          | ,                 |        |  |                |         |                                       |        |             |               |                    |              | •                      | •              | •                      | ī              |
| 5/ 7                    | <del></del>   | , 9   |          | <br>·÷            |        |  | <del></del>    |         | <del></del>                           |        |             |               | ·                  |              | <u> </u>               | <u>i</u> .     |                        |                |
| 6/ 5                    |               | . 9   |          |                   |        | 1  | . ,            |         |                                       |        |             |               |                    |              | ī                      | ī              | 2.                     |                |
| 2/ 1                    | . 9.          |       |          | <br>:             |        | · · · · ·  | <del></del>    |         |                                       |        |             |               |                    |              | 1                      | 1              | 1                      |                |
| ·#2/ ·#3:               |               |       |          | :<br>             |        | ,  |                |         |                                       |        |             |               |                    |              |                        |                |                        | 3              |
| TOTAL                   | 24.3          | 69.4  | 6.3      |                   |        | •  |                |         |                                       | ,      | ;           |               |                    |              |                        | 111            |                        | 111            |
|                         |               |       | <u> </u> | <br>!<br>         |        | <u> </u>   | <u> </u>       |         |                                       |        |             |               |                    |              | . 111.                 |                | _111.                  |                |
|                         |               |       | . :      | : :               |        |  | , ;            |         | :                                     | 1      | i           |               | . !                |              |                        |                |                        |                |
|                         |               |       |          | <br><u> </u>      |        | <del> </del> -                                   |                |         | <u> </u>                              |        |             | <del></del> : | <u></u>            |              |                        |                |                        |                |
|                         | 1             |       |          |                   |        | ĺ  |                |         | 1 .                                   | :      | Ì           | 1             | . +                | 7            |                        |                |                        |                |
|                         |               |       |          | <br>              |        | <del> </del> -                                   |                |         |                                       |        |             | <del></del>   | <del></del>        |              |                        |                |                        |                |
|                         | i             |       |          |                   |        |  |                |         | i i                                   | 1      | į           |               | 1 ;                | ,            |                        |                |                        |                |
|                         | <del></del> i |       | <u></u>  | <br><del>  </del> |        | <del>                                     </del> |                |         | <del>! :</del>                        | -+     |             |               | <del>† - !</del> - | <del></del>  | <del></del>            |                |                        |                |
|                         | 1             |       |          |                   |        |  |                |         | ! !                                   | ļ      | ı           | ĺ             | 1                  | f<br>t       |                        |                | _                      |                |
| Element (X)             |               | Σχ'   |          | <br>Σχ            | Т      | X  | σ <sub>2</sub> | $\top$  | No. Obs.                              | 一广     | <u>-</u> !- | <u> </u>      | Mean No            | of Hours wit | h Temperati            | ure :          | <del></del>            |                |
| Rel. Hum.               |               |       | 8338     | <br>97            | 34     |  | 6.5            | 36      | 111                                   |        | ± 0 F       | = 32 F        | ≥ 67 F             |              | - 80 F                 | - 93 F         | 7                      | otal           |
| Dry Bulb                |               |       | 8670     | 35                |        |  | 8.2            |         | 111                                   |        |             | 39,4          |                    | <u> </u>     | 1                      | 1              | ,                      | 84             |
| Wet Bulb                |               | 11    | 0260     | 33                | 92     | 30.6   | 7.7            | 49      | 111                                   |        |             | 40,1          |                    |              |                        | :              | 1                      | 84             |
| Dew Point               |               | 7     | 7297     | 31                | 53     | 28.4   | 8.3            | 241     | 111                                   |        | 2.3         | 49.2          |                    |              |                        | T              | T                      | 84             |

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FORM 0.26.5 (OLA)

SAFETAC

DATA PROCESSING DIVISION
USAF ETAC
AIR REATHER SERVICE/MAC

34199 SIEGENBURG GERMANY GUNNERY RANGE 69#70

USAFETAC

## PSYCHROMETRIC SUMMARY

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|               |                    |               |  |                |                  |                  |              |              |                     | PAGE             | 1              | T=00#3       | 7   |
|---------------|--------------------|---------------|--|----------------|------------------|------------------|--------------|--------------|---------------------|------------------|----------------|--------------|-----|
| Te-p.         |                    |               |  |                | E DEPRESSION     |                  |              |              |                     | TOTAL            |                | T074.        |     |
| (F)           |                    | 6 7-8 9-10    | 11 - 12                                      | 13 - 14 15 - 1 | 6 17 - 18 :9 - 2 | 21 - 22 23       | - 24 25 - 26 | 27 - 28 29   | 30 - 31             | ე გ. ⊁.მე        | ., B.          | met Bulb De- | - ( |
| 8/ 47         | 1,9                |               | -  | -              |                  |                  |              |              |                     | 1                | 1              |              |     |
| 6/ 45         | 1,9                |               |  |                |                  |                  |              |              |                     |                  | 1.             |              |     |
| 4/ 43         |                    |               |  |                |                  |                  |              |              |                     |                  |                | 2            |     |
| 2/41          | 1.9 3.8            |               |  |                |                  | ·                |              | <b>-</b>     |                     | <del>. 3</del> . | 3.             | ÷.           |     |
| 0/39          | 5.7 1.9            |               |  |                |                  |                  |              |              |                     | 4                | 4              | 1            |     |
| 6/ 37         | :22.6              |               |  |                |                  |                  |              |              |                     | <u>. 12.</u>     | 12.            | <u> </u>     |     |
| 6/ 35         | 5.7 1.9<br>1.9 3.8 |               |  |                |                  |                  |              |              |                     | 4                | 4              | 14           |     |
| $\frac{7}{2}$ | 9,4                |               |  |                |                  | <del></del>      |              |              |                     | <del></del>      | <del>J</del> . |              | -   |
|               | 1.911.3            |               |  | •              | į                |                  |              |              |                     | ,                | 7              | ò            |     |
| 8/ 27         | 3.8 5.7            |               |  | <del></del>    |                  | 1                |              |              |                     |                  | <u> </u>       | <del></del>  |     |
| 6/ 25         | 200, 200           |               |  | 1              | ;                |                  |              |              |                     | -                | •              | 1            |     |
| 4/ 23         | 5.7 3.8            | <del></del>   |  |                |                  | <del>   </del> - |              |              |                     |                  | 5              | <del></del>  |     |
| 2/ 21:        | 1.9                |               |  | :              |                  | *                |              |              |                     | 1                | 1              | 1            |     |
| C/ 19         | 1.9                |               |  |                |                  |                  |              |              |                     | 1                | 1              | <u>ī</u> .   |     |
| 8/ 17         |                    |               | į  |                |                  |                  |              |              |                     | •                | _              | ī            |     |
| c/ 15         |                    |               |  |                |                  |                  |              |              |                     |                  |                |              |     |
| 2/ 11:        | 1.9                |               |  |                |                  |                  |              |              |                     | _ 1              | _1             | 1            |     |
| C/ 9:         |                    |               |  |                |                  | ;                |              |              |                     |                  |                |              |     |
| TAL .         | 15.173.611.3       | <del> </del>  | <u>.                                    </u> |                | <del>.,</del>    | <u> </u>         |              |              |                     |                  | 53             |              | _   |
|               | l .                | !             | ;  |                |                  |                  |              |              |                     | 53               |                | 53           |     |
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|               |                    |               |  | i              | 1000             | ! !              | ;            | 7            |                     |                  |                |              |     |
| <b>~</b>      |                    |               |  | <u>-</u>       | 1                |                  | <del></del>  |              |                     | <del>,</del>     |                |              | _   |
|               |                    | <b>_Ļ</b> Ļ_  | <u> </u>                                     | !              |                  |                  | :            | <u> </u>     | -                   | ·                |                |              | _   |
| lement (X)    | Σχ'                | Σχ            | X O  | 4 0/4          | No. Obs.         | 1                | <del>,</del> |              |                     | h Temperatu      |                |              | _   |
| el. Hum.      | 384444             | 4502          | 04,4   | 6,246          | 53               | = 0 F            | 1 32 F       | 2 67 F       | <sup>1</sup> ₹ 73 F | → 90 F           | . 93 F         | Tota         | 1   |
| ry Bulb       | 59192<br>54025     | 1734<br>1659  | 3607   | 6,879          | 53<br>53         | <del> </del>     | 39,6         |              | <del> </del>        | 1                | <b>├</b> ──    | <del></del>  | _   |
| et Buib       | 24V62              | 1510          | 2103   | 6.348          | 23               | <u> </u>         | 41.2         |              | <del>!</del> -      | <del></del>      | <u> </u>       | <del></del>  |     |

34199 SIEGENBURG GERMANY GUNNERY RANGE 69-70

### PSYCHROMETRIC SUMMARY

|                          |                |                |                     |                       |                 |                       | PAGE                   | : :           | <u> </u>        | Óθί    |
|--------------------------|----------------|----------------|---------------------|-----------------------|-----------------|-----------------------|------------------------|---------------|-----------------|--------|
| Tenp                     |                | ~€             | T BULB TEMPERA      | TURE DEPRESSION       | (F              |                       | TOTAL                  |               | TOTAL           |        |
| (F)                      |                | 6 7-8 9-1      | 0 11 - 12 13 - 14 1 | 5 - 16 17 - 18 19 - 2 | 0 2 22 23       | . 24 25 26 27 - 28 29 | _ 30                   | 20. B. E      | *** 5. * 5      | P      |
| 46/ 45                   | 3.3 .8         |                |                     |                       |                 |                       | 5                      | 5             |                 |        |
| 4/ 43                    | 3.3 .8         |                | <del></del>         | ·                     |                 |                       | 5                      | 5             | 4               |        |
| 2/ 41                    | 1.7 3.3        |                |                     |                       |                 |                       | 6                      | 6             | 10              |        |
| 0/ 39                    | 1.7 2.5        |                |                     |                       |                 |                       | <u>. 5</u> .           | <u> </u>      |                 |        |
| 8/ 37                    | 2.5.           |                |                     |                       |                 |                       | 3                      | . 3           | 5               |        |
| 6/ 35                    | 8.3 3.3        |                |                     |                       |                 |                       | 16                     | 14            | <del></del> 5   |        |
| 4/ 33                    | 5.8 5.8 1.7    |                |                     |                       |                 |                       |                        | 16            | 2:              |        |
| 2/ 31                    | <u>,8 7.5.</u> |                |                     | <del></del>           |                 |                       | 1 <u>c</u>             | 10            | 6               | ;      |
| 0/ 29:                   | 5,8 2.5        |                |                     | i                     |                 |                       | 13                     | 1c            | 19              |        |
| 8/ 27                    | 5.0 1.7        |                |                     |                       |                 |                       |                        |               | <u> </u>        |        |
| 6/ 25<br><b>4</b> / 23 ) | 5.0 2.5        |                |                     | <b>.</b>              |                 |                       | 9                      | 9             | •               |        |
|                          | 10.8 1.7       | <del></del>    |                     |                       | <del></del>     |                       |                        | 15            | $-\frac{16}{6}$ |        |
| 2/ 21<br>0/ 19           | 1.7 2.5        |                |                     |                       |                 |                       | ?                      | ?             | ø               |        |
| 8/17                     | . 8 . 8<br>. 8 | <del></del>    | <del></del>         |                       |                 |                       |                        | ⊸કું.         | <del>-</del>    |        |
| 6/ 15                    | .8             |                |                     |                       |                 |                       | 4                      | 2             | ,               |        |
| 4/ 13                    | - 18           |                |                     |                       |                 |                       | <del>-</del>           |               |                 | -      |
| 2/ 11                    | . 8            |                |                     |                       |                 |                       | ;                      | •             | î               |        |
| 0/ 9                     | . 8            | <del></del>    |                     |                       | <del></del>     |                       | <del></del>            | - †           | <del> </del>    |        |
| 8/ 7                     | . 8:           |                |                     |                       |                 |                       | ī                      | i             | i               |        |
| 6/ 5                     | ,8             |                | <del></del>         |                       |                 |                       | <u>-</u>               |               | <u></u>         |        |
|                          | 42.548.3 9.2   |                |                     |                       |                 |                       | •                      | 120           | -               | ī      |
|                          |                | <del></del>    |                     |                       |                 |                       | 120                    |               | 120             |        |
|                          |                |                |                     |                       | *               |                       |                        |               |                 |        |
|                          |                | 1              |                     |                       |                 |                       |                        |               |                 |        |
|                          |                |                | ·                   |                       | · :             |                       |                        |               |                 |        |
| _                        | 1              | 1              |                     |                       |                 | i                     |                        | -             |                 |        |
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| •                        | 8<br>6<br>7    |                |                     | i F                   |                 |                       |                        |               |                 |        |
| <del></del> :-           | <del></del>    |                | <del></del> -       | <del></del>           | <del>;</del>    |                       |                        |               |                 |        |
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| 1                        |                |                |                     |                       | i               | -                     |                        |               |                 |        |
| lement (X)               | Zx'            | z <sub>x</sub> | X G                 | No. Obs.              | +               | Hean No               | of Hours with Temperat | ute           |                 | _      |
| el. Hum.                 | 971636         | 10756          | 89,7 6,94           |                       | = 0 F           | 1 32 F ≥ 67 F         |                        | 2 93 1        | <del></del>     | oto!   |
| ry Bulb                  | 120159         | 3667           | 30.0 8.25           |                       | <del> ~</del> - | 51.1                  | 1                      | 7-7-          |                 | ,,,,,, |
| er Buib                  | 112915         | 3563           | 29.7 7.73           |                       | <del>†</del>    | 54,2                  | <del></del>            | <del></del> - | <del></del> -   | _      |
|                          | 100174         | 3342           | 27.9 7.72           | 4 120                 |                 | 69.0                  | <u> </u>               |               |                 |        |

M 0.26-5 (OL A) ITYLIE MEYIOUS EDITIONS OF THIS FORM ARE OBSEQUEED

TAC 104 0.26.5 (01 A)

#### **PSYCHROMETRIC SUMMARY**

SIEGENBURG GERMANY GUNNERY RANCE 69-70 ¥AR PAGE 1 2900-1100

WET BULB TEMPERATURE DEPRESSION 'F' 0 1.2 3.4 5.6 7.8 9.16 11.12 13.14 15.16 17.18 19.20 21.27 23.24 25.26 27.28 29 30 .31 DB. \* 8 C. 52/ 51 50/ 49 48/ 47 .8 1.7 ţ 11 119 119 119 Element (X) No. Obs. 875863 150515 137137 117479 85,4 8,008 34,8 7,373 33,3 6,526 30,8 6,411 Rel. Hum. 10165 119 35.2 42.2 63.3 4141 3965 3661 119 93 Dry Bulb 93 93 Wer Bulb Dew Point

0.26.5 (OL A)

1343531

84199 SIEGENBURG GERMANY GUNNERY RANGE 69+70

#### PSYCHROMETRIC SUMMARY

× 43

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PAGE 1 1200-1400 WET BULB TEMPERATURE DEPRESSION F 6C/ 59 56/ 55 54/ 53 52/ 51 2.6 3,4 2.6 .9 1.7 3.4 .9 50/ 49 48/ 47 . 9 4 513 46/ 45 44/ 43 42/ 41 40/ 39 2.6 2.6 7.812.1 23 19 16 13 38/ 37 36/ 35 11.2.5.2 10 19 32 10 10 34/ 33 2,6 8.6 32/ 31 30/ 29 28/ 27 2,5 2.6 26/ 25 24/ 23 3,4 18/ 17 14/ 13 TOTAL 12.151.725.010.3 .9 116 116 No. Obs. X I 9467 81.6 9.690 4507 38.9 7.422 4245 36.6 6.278 3887 33.5 5.975 783419 181447 159877 116 116 ± 32 F 11.2. 15.2. 48.9 93 Dry Bulb Wet Bulb 116 93

116

PRIVIDUS EDITIONS OF THIS FORM ARE OBSOURTE HAIND 3 ğ 0.26.5

USAFETAC

Dew Point

34199 SIEGENBURG GERMANY GUNNERY RANGE 69+70

#### PSYCHROMETRIC SUMMARY

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| Temp   |                                     |   | PAGE 1  |               |
|--|-------------------------------------|---|---|---------------|
| 6C/ 59     4.1     3     3       56/ 55     2.7     2     2       52/ 51     2.7     2     3       5C/ 49     4.1 1.4     4     4       48/ 47     1.4     1     1     5       46/ 45     2.7 2.7     4     4     4       44/ 43     4.1 4.1     6     6     2       4C/ 39     4.1 8.2     9     9     7       38/ 37     20.5 5.5     19     10       36/ 35     11.0     9     1     1       3C/ 29     28/ 27     1.4     1     1     1       20/ 29     28/ 27     1.4     1     1     1     1       20/ 29     28/ 23     1.4     1     1     1     1     1       20/ 29     28/ 23     1.4     1     <  |                                     |   |   |               |
| 54/53  |                                     |   | ्रहाँ स्टाइन्स के १   | : ***         |
| 54/53       2.7       2       2         50/49       4.11.4       4       4         48/47       1.4       1       1       5         40/45       2.72.7       4       4       4       4         44/43       4.14.1       6       6       2         40/39       4.18.2       9       9       7         38/37       20.55.5       19       19       10         36/35       11.0       9       3       19         34/33       1.4       1       1       1         30/29       28/27       1.4       1       1       1         20/29       24/23       1.4       1 | DU/ 39                              | **  | 3 3   | <b>;</b>      |
| 52/51     2.7       50/49     4.11.6       48/47     1.4       46/45     2.72.7       44/43     4.14.1       40/39     4.18.2       40/39     4.18.2       9     9       38/37     20.55.5       36/35     11.0       36/33     1.4       32/31       30/29       28/27     1.4       20/25       24/23     1.4       UTAL     4.154.625.65.50.6       73  |                                     | 2.7   |   | <u> </u>      |
| 50/ 49   | 52/ 51                              | 2.7   | 2   | 3             |
| 48/ 47   | 307 49                              | 6.1 1.6   | 4 7   | -             |
| 46/45 2.7 2.7<br>44/43 4.1 4.1 6 6 2<br>42/41 8.2 5.5<br>40/39 4.1 8.2 9 9 7<br>38/37 20.5 5.5<br>36/35 11.0 9 3 19<br>34/33 1.4 1 1 1<br>32/31<br>30/29<br>28/27 1.4 1 1 1<br>20/25<br>24/23 1.4 1 1 1 1  |                                     |   | 1 1   | <u> </u>      |
| 42/41 8.2 5.5<br>40/39 4.1 8.2 9 9 7<br>38/37 20.5 5.5<br>36/35 11.0 9 8 19<br>34/33 1.4<br>32/31<br>30/29<br>28/27 1.4 1 1<br>26/25<br>24/23 1.4<br>707AL 4.154.825.6 5.5 6.8   | 46/ 45                              | 2.7 2.7   | . 4 2   | <b>~</b> 4    |
| 38/ 37   |                                     | 4:1 4:1   | 6 (   | 2             |
| 38/ 37   |                                     | 8.2 5,5   | 15 10   | 6 5           |
| 36/ 35 11.0<br>34/ 33 1.4<br>32/ 31<br>30/ 29<br>28/ 27 1.4<br>26/ 25<br>24/ 23 1.4<br>TOTAL 4.154.625.6 5.5 6.6   |                                     | 4,1 8,2   | 9 9   | 7             |
| 32/ 31<br>30/ 29<br>28/ 27 1.4<br>20/ 25<br>24/ 23 1.4<br>TOTAL 4.154.628.6 5.5 6.6  |                                     |   |   |               |
| 32/ 31<br>30/ 29<br>28/ 27 1.4<br>20/ 25<br>24/ 23 1.4<br>TOTAL 4.154.628.6 5.5 6.6  | 36/ 35                              |   | . 9   | 17            |
| 30/ 29<br>  28/ 27   1.4   1   1   1   1   1   1   1   1   1   | 34/ 33                              | 1:4   | 1   | 1 12          |
| 28/ 27 1.4<br>26/ 25<br>24/ 23 1.4<br>TOTAL 4.154.628.6 5.5 6.6  | 36/ 31                              |   | -   | -             |
| 26/ 25<br>24/ 23 1.4<br>TOTAL 4.154.828.8 5.5 6.8  |                                     | 1.4   | •   | 1 1           |
| 24/ 23 1.4<br>TUTAL 4.154.828.8 5.5 6.8  | 26/ 25                              |   | - ÷:  |               |
| TOTAL 4.154.828.8 5.5 6.8  | 24/ 23                              | 1.4   | 1   | 1 1           |
|  |                                     | 4.154.629.6 5.5 6.8   | <del></del> <del></del> <del></del> <del></del> <del></del> <del></del> <del></del> | <del></del> - |
|  |                                     |   | 73  | 73            |
|  |                                     |   |   |               |
|  | Eirnent (X)<br>Rel Hum              | 2x' 2x 1 4 No. Obc. Main No. of the co. 469234 5810 79.6 9.736 73 : 05 : 22 F : 62 F : 73 F | - 80 F + 53   | · ·           |
| [27 5-5  | Rel Huss<br>Dry Bels                | 469234 5810 79.6 9.734 73 : :0: :27 :27 : :75 : 129309 3031 41.5 6.952 73 : :2.5            |   | •             |
| Dry Sets         1299091         3031: 41,5 0,952         73         2,5           Mer Bells         1123691         2835: 38,8 5,615; 73         2,5           Dev Pent         937091         2589: 35,5 5,121; 73         36,4  | Rel. Hum.<br>Dry Buils<br>Wer Buils | 469234 5810 79.6 9.734 73 : :0: :2: :2: :2: :2: :2: :2: :2: :2: :                           |   | •             |

## PSYCHROMETRIC SUMMARY

| 4199                    | 21          | EGEN         | BURG   | GER  | MANY   | GUN  | NERY   | RANG    | E               | 68=  | 70           |               |             | YEARS       |             |                | -               | - AP  |        |
|-------------------------|-------------|--------------|--|--|--|--|--|---------|-----------------|--|--------------|---------------|-------------|-------------|-------------|----------------|-----------------|---|--------|
|                         |             |              |  |  |  | -  |  |         |                 |  |              |               |             | ·           |             | PAGE           | 1               | 0600-   | 080    |
| Temp.                   |             |              |  |  |  |  | BULB T   |         |                 |  |              |               |             |             |             | TOTAL          |                 | TOTAL   |        |
| (F)                     | 0           | 1 - 2        | 3 - 4  |  | 7 - 8  | 9 - 10   | 11 - 12  | 13 - 14 | 15 - 16         | 17 - 18  | 19 - 20      | 21 - 22 23    | - 24 25     | 26 27 - 28  | 9 30 3      | ⊃ 8. ¥.8 (     | Dry Bub         | Wer Bub [   | e~ P   |
| 62/ 61<br>58/ 57        |             |              | .7   | ,7   |  |  | 1 1  | :       |                 |  |              |               | i i         |             |             | 1              | 1               |   |        |
| 56/ 55<br>54/ 53        |             | 1.5          | . 7  |  | .7   |  |  |         |                 | :  |              |               | 1           | •           |             | 1 5            | 1               | 1   |        |
| 52/ 51                  |             | 1,3          |  |  |  |  | ·  |         |                 |  |              | 1             |             | -           |             | - <del> </del> | 3.              | <del>-</del> <del>-</del> <del>-</del> <del>-</del> <del>-</del> <del>-</del> - |        |
| 50/ 49                  |             | 3.0          |  |  | .7   |  | :  | 1       |                 |  |              |               |             |             |             | 7              | 7               | 2   |        |
| 48/ 47                  |             | 4.4          | 4.4  | •7   |  | 1  |  |         |                 |  |              |               |             |             |             | 13             | 13.             | 7   |        |
| 4/ 43                   |             | 3.7          |  |  |  |  | <del>                                     </del> | i       |                 | <del>†                                      </del> |              |               |             | <del></del> |             | 9              | 9               | 10  |        |
| 42/ 41                  | 1.5         | 6.7          |  |  |  |  | <u> </u>   | . 1     |                 |  |              |               |             |             |             | 15             | 15              | 13  |        |
| 0/ 39                   |             | 7,4          |  |  |  |  |  |         |                 |  |              |               |             |             |             | 15             | 15              | 15  |        |
| 36/ 37                  |             | 6.7          |  |  | <u> </u>   | <b></b> -  | <u> </u>   |         |                 | <u> </u>   | <u>'</u>     | L <u></u>     | <del></del> | , i         |             | 1 C            | 10<br>20        | 17  |        |
| 35/ 35<br>34/ 33        |             | 14.1         | , -  |  |  |  |  | İ       |                 |  | •            |               | i           | •           |             | 20<br>8        | 0،              |   |        |
| 2/ 31                   |             |              | 2.2  |  |  | <del> </del>                                     | <del>!</del>                                     |         |                 | <del> </del>                                       | <del> </del> |               |             |             |             | <u>11</u> .    | $-\frac{6}{11}$ | <u>21</u>   | _      |
| 0/ 29                   |             | 5.2          |  |  |  | •  | 1 j  | İ       |                 |  |              | l i           | ŧ           | *           |             | 8              | 8.              | 12  |        |
| 28/ 27                  |             | .7           |  |  |  |  |  |         |                 |  |              |               | ;           |             |             | 1              | 1               | 7   |        |
| 24/ 23                  |             | <del> </del> | <del>                                     </del> |  | <u> </u>   | <del>                                     </del> |  |         |                 | <del> </del>                                       | <u> </u>     |               |             | <del></del> |             | <del>-:</del>  |                 |   |        |
| DTAL                    | 3.7         | 68.1         | 23.0   | 3.7  | 1.5  |  |  |         |                 | <u> </u>   | <u> </u>     |               |             | 1 :         |             |                | 135             |   | Ï      |
|                         |             |              |  |  |  |  |  |         |                 |  |              |               | ĺ           |             | •           | 135            | ,               | 135   |        |
|                         |             | <u> </u>     |  |  |  |  |  |         |                 |  |              |               |             | l           | 1           |                | 1               | ,   |        |
|                         |             |              | _  | <del>                                     </del> | <u> </u>   | <del> </del>                                     |  |         |                 |  |              |               |             | 1           |             | _ <del>`</del> |                 | -   |        |
|                         |             | -            | <del> </del>                                     | <del> </del>                                     | -  | <del> </del> -                                   |  | -       |                 | <del> </del>                                       |              |               |             |             |             | 1 ,            | ;               |   |        |
|                         | <del></del> | -            | <del>  -</del> -                                 | -  | <del>                                     </del> | -  | +  |         |                 | ╁  |              |               |             |             |             | <u> </u>       |                 | -   |        |
|                         |             | <u> </u>     | -  | <del> </del>                                     | <u> </u>   | <u> </u>   | -  |         |                 | <del> </del>                                       | <u> </u>     |               |             |             |             | -              |                 |   |        |
|                         |             |              | <u> </u>   | <u> </u>   |  | <u> </u>   | <u> </u>   |         |                 | <u> </u>   |              |               |             |             |             |                |                 |   |        |
|                         |             |              | <u> </u>   | <u> </u>   | <u></u>  | <u> </u>   | <u> </u>   |         |                 |  |              |               |             |             |             |                | i<br>           | - transfer  |        |
| lement (X)<br>Rel. Hum. |             | Σχ' .        | 2000   |  | Z X  | 20   | X<br>A A A                                       | 6' 3    | -               | No. 0  | 1            |               | 1 22        |             |             | with Temperate |                 | <del></del>   |        |
| Ory Bulb                |             | 77           | /2003<br>26305                                   | -  | 113  | 47   | 40 3   | 6.9     | 90              |  | 35<br>35     | ± 0 F         | 132         |             | F ≥ 73 F    | ≥ 80 F         | 7 93 5          | <del>-  </del>  | Jial . |
| Wet Bulb                |             | 20           | 4171   | <del> </del>                                     | - 51<br>51                                       | 79   | 38.4   | 0.4     | 00              |  | 35           | <del></del> _ | 14          |             |             | <del>-i</del>  |                 | <del></del>   |        |
| Daw Point               |             |              | ORAT   |  | 7. 5   | AR   | 77.7   | 6-6     | <del>2 % </del> |  | 35           |               | 24          |             | <del></del> | <del></del>    |                 | -+  |        |

FORM 0-26-5 (OLA) REVISED RENOUS FORMONS OF THIS FORM A

SAFETAC FORM

# PSYCHROMETRIC SUMMARY

SIEGENBURG GERMANY GUNNERY RANGE 68-70

PAGE 1

0900-1100

| Temp.       |     |                 |          |             |  |        |          |  |          | E DEPRE          |         |             |              | -  |              | TOTAL         |  | TOTAL         |                  |
|-------------|-----|-----------------|----------|-------------|--|--------|----------|--|----------|------------------|---------|-------------|--------------|--|--------------|---------------|--|---------------|------------------|
| (F)         | 0   | 1 - 2           | 3 - 4    | 5 - 6       |  |        | 11 - 12  | 113 - 14   | 15 - 16  | 5 17 - 18        | 19 - 20 | 21 - 22 23  | - 24 25 - 76 | 5 27 28 29                                       | - 30 - 31    | D B. W.B (    | bry Buib   | Ver Buib D    | ew Poin          |
| 66/ 65      |     |                 |          | 1           | .7   | )<br>  |          |  |          | 1 :              |         |             |              | 1  |              | 1             | 1  |               |                  |
| 64/ 63      |     |                 | <u> </u> | .7          |  |        |          | !  | !        | <u>i</u> :       |         |             | 1            |  |              | 1             |  |               |                  |
| 62/ 61      | _   |                 | 1        | .7          |  |        | ł        |  |          | . !              | 1       | 1           | i            |  |              | 2             | 2.   |               |                  |
| 60/ 59      |     | . 7             | <u> </u> | .7          | <u> </u>   | l      |          | ·  | 1        |                  |         |             |              |  |              | 2             | 2  | - <u>1</u> .  |                  |
| 35/ 57      |     |                 | 1        | ,7          | Ϊ.   |        | 7        | :  |          |                  |         |             |              |  |              | 2             | 2.<br>2.<br>2.<br>9.                             | 3             | 1                |
| 56/ 55      |     |                 | 2.9      | 2,2         | .7   |        | 7        | i  |          | I                |         | i           |              |  |              | 9.            | 9.   | 1             |                  |
| 54, 53      |     | 2.9             |          | 2.9         | 1.4  |        |          | -  | 1        | 7                |         |             |              | : !  |              | 11            | 11   | 1             | 3                |
| 52/ 51      |     |                 | • 7      | .7          |  |        | <u> </u> | 1  |          | _ _              |         |             |              |  |              | 2             | 2:   | 10            | 1                |
| 30/ 49      |     | 4,3             | 3,5      | 3.6         | 1  |        | Ī        |  |          |                  | _ [     | <u> </u>    |              | 1  |              | 16            | 16.  | 5             | 6                |
| 48/ 47      |     | 2.2             | 4,3      | 1.4         | i  |        |          | <u></u>  |          | <u> </u>         |         |             |              |  |              | 11,           | 11   | 15            | 7                |
| 46/ 45      |     | 3.6             | 4.3      | 11.4        | 1  | i      |          |  |          |                  |         |             |              | 1  |              | 13.           | 11   | 15            | 11               |
| 44/ 43      |     | 5.8             | 2.9      | <b>!</b>    | <u> </u>   | L      |          |  |          | 1                | 1       |             |              |  |              | 12            | 12.  | 17            | - <u>6</u><br>18 |
| 42/ 41      |     | 4.3             | 5,1      |             | Ī  |        | Ī        | 1  |          | Ţ -              |         | 1           |              | 1 1  |              | 13!           |  | 12            | 18               |
| 40/ 39      |     | 2.9             | 4.3      |             |  | !      |          |  | 1        |                  |         |             | !            | 1  |              | 10            | 10   | 9             | 11               |
| 38/ 37      |     | 13.0            |          |             |  | I      | Ī        |  | ĺ        |                  | i       |             | E<br>t       |  |              | 18            | 18:  | 14            | 15               |
| 36/ 35      |     | 4.3             |          | <u>'</u>    |  | ]      | _        | <u> </u>   |          |                  | _i      | j           |              |  | _            | 7             | 7  | 22            | 16               |
| 34/ 33      | 1.4 | 1.4             | 1        | i -         | i  | Ī      |          | T  | <u> </u> |                  |         |             | :            | : 1  |              | 4:            | 11   | 7             | 18               |
| 32/ 31      |     | 1.4             |          |             | l  |        | 1        | Ì  |          |                  | i       | 1           |              |  |              | 3             | 3,   | 5             | 17               |
| 30/ 29      |     | . 7             | 1        |             | Ï  |        | T        | i  |          |                  | i       |             |              |  |              | 1,            | 1.   | 2             | 4                |
| 28/ 27      |     |                 |          |             | 1  |        | 1        | 1  | ļ        |                  | Į       |             |              | i  | 1            | -             | ;  | 1             | 4                |
| TOTAL       | 2.2 | 47.8            | 29.7     | 15.2        | 3.6  | 1.     | 4        | i  | Τ-       | $\neg \neg \neg$ |         |             | Ī            |  |              |               | 138  |               | 138              |
| j           |     |                 | Ì        | 1           |  |        |          | 1  | 1        | 1                | 1       | 1           | ļ            |  |              | 138           | 1  | 138           | -                |
|             |     |                 |          |             | Ī  |        |          | Ī ·  |          |                  |         |             |              |  |              | ;             |  |               |                  |
|             |     | l               |          |             | 1  | l      |          | 1  |          | _ i              | _       | _           |              |  |              |               |  |               |                  |
|             |     |                 | 1        | Ì           | Ī  | Γ      |          |  |          |                  |         |             |              | i i  | i            | !             |  |               |                  |
| !           |     |                 |          | i           | 1  |        | 1        |  | l        |                  |         | İ           |              |  | i            |               |  |               |                  |
|             |     | i               | 1        | i           | 1  | 1      | 1        |  | Τ        |                  |         |             |              |  | i            |               |  |               |                  |
| l           |     | İ               | 1        |             | 1  |        |          |  |          |                  |         | - 1         | 1            | ,  |              |               | i  |               |                  |
|             |     |                 | i        |             | 1  | 1      | 1        | 1  | 1        |                  | i       |             |              |  |              |               |  |               |                  |
| Ì           |     | l               |          | !           | 1  |        | 1        |  |          |                  |         | ļ           | 1            |  |              |               |  |               |                  |
|             |     |                 | 1        |             | 1  |        | 1        |  | i –      |                  |         |             |              | 1  | <u> </u>     |               |  | <del></del> - |                  |
| ļ           |     |                 |          |             | 1  |        |          |  |          |                  |         | -           |              |  | l            | :             | i  | 1             |                  |
|             |     | T               |          |             | <del>                                     </del> | 1      | 1        | <del>                                     </del> | 1        | 1-               |         | <del></del> |              | <del>                                     </del> |              |               |  |               |                  |
| ı           |     | 1               |          |             | 1  |        | ļ        |  |          | [ ]              |         |             |              |  | 1            |               | :  |               |                  |
| Element (X) |     | Σχ <sup>2</sup> | -        | 1           | ΣX   | $\top$ | ₹        | 0,   |          | No. Ob           | s.      |             |              | Mean No.   | of Hours w   | ith Temperati | 110  |               |                  |
| Rel. Hun.   |     |                 | 5773     | <del></del> | 108  | 91     |          | 10.6   |          | 1                | 36      | 10F         | ± 32 F       | ≥ 67 F   | ≥ 73 F       | ≥ 80 F        | ≥ 93 F   | T,            | otal             |
| ry Bulb     |     |                 | 8227     | '           | 62   | 19     | 45.1     | 7,6  | 26       | <u>ī</u>         | 36      |             | 2,0          |  | 1            | 1             | <del>                                     </del> |               | 90               |
| Wet Bulb    |     |                 | 9912     |             |  | 04     | 42.1     | 6  | 11       | $-\frac{1}{1}$   | 38      | · · · · · · | 6,0          |  | <del> </del> |               | 1  | <del></del>   | 90               |
| Dew Point   |     |                 | 1821     |             |  | 35     | 38.7     |  |          |                  | 38      |             | 16.3         |  |              | <del></del>   |  | <del></del>   | 90               |

# PSYCHROMETRIC SUMMARY

34179 SIEGENBURG GERMANY GUNYERY RANGE 68-70

APR

1200-1400

| Temp.                |   |  |                   |                |          | WET          | BULB   | TEMPER         | RATURE        | DEPRESS  | On (F)      |  |               |          |               | TOTAL                         |              | · .AL        |                            |
|----------------------|---|--|-------------------|----------------|----------|--------------|--|----------------|---------------|--|-------------|--|---------------|----------|---------------|-------------------------------|--------------|--------------|----------------------------|
| (F)                  | 0 | 1 - 2  | 3 - 4             | 5 - 6          | 7 - 8    | 9 - 10       | 11 - 12  | 13 - 14        | 15 - 16       | 17 - 18 19                                       | - 20 21 - 2 | 2 23 - 24 2                                      | 5 26 27       | 28 29    | 30 - 3        | i ⊃ 8. ∀.8                    | Dr. Bub      | we But       | Dew Po                     |
| 70/ 69<br>68/ 67     |   | -  |                   | :              |          | 2.2          | ,7   | :              | . 7           | 1  |             |  |               | •        | - • -         | 3                             | ,<br>3       |              |                            |
| 66/ 65               |   |  |                   | ! <del></del>  | 1.4      | .7           | • 7  | į              | .7            | 1  |             | :  |               | ·-       | •             | <u>-</u> 5                    | <u>_</u>     |              |                            |
| 64/ 63               |   | <u> </u>   | . 7               |                | 7        |              | . 7  | <u> </u>       |               | 1 1  |             |  |               |          |               | 3                             | 3            |              |                            |
| 62/ 61<br>60/ 59     |   | 1.4  |                   | 1.4            | 1,4      | 2.9          |  | :              | 1             |  |             | 1  |               |          | •             | 5                             | 5            | Ž            |                            |
| 58/ 57               |   | .7   | . 7               |                | 1        | 1.4          | <del> </del>                                     | <del></del>    | <del></del> - |  |             | <del></del>                                      |               |          |               | <del>-</del> -                |              | 14.          | 1                          |
| 55/ 55               |   | 1.4  | 1.4               |                | 2,9      | 1,4          | i  |                | Î             |  |             | 1  | I .           |          |               | 9                             | ç            | 3.           | •                          |
| 54/ 53               |   |  | •7                | 1:4            | 1.4      |              |  |                |               |  | 1           | <del>                                     </del> |               |          |               | 5                             | <del>ś</del> | 3<br>10<br>7 | 7                          |
| 52/ 51<br>50/ 49     |   | 2.2  | 2.9               |                |          |              | <u> </u>   |                | <u> </u>      |  |             | ļ  |               |          |               | 6                             | 6            | <u>7</u> .   |                            |
| 48/ 47               |   | 3.6  | 5.1<br>5.1        | 1:4            |          |              |  |                |               |  |             |  | •             |          |               | 15<br>14                      | 15           | 9<br>1 #     | 7                          |
| 46/ 45               | · | 2.9  | 5.1<br>2.9<br>2.2 | •7             |          |              |  | <del> </del> - |               |  | <del></del> | : 1  | _             |          | <del></del> - | 9                             | 9            | 19           | 10                         |
| 42/ 41               |   | 4.3  | 10.1              |                |          | <del> </del> | <del> </del> -                                   | <del> </del>   | <del> </del>  |  |             | <u> </u>   | <del></del> - |          |               | 3                             | - <u>3</u>   | <u> </u>     | 11                         |
| 4C/ 39               |   | 5.8  | 5.8               |                |          |              |  | İ              |               |  | 1           | :  |               |          |               | 20<br>16                      | 16           | 3<br>9       | 14                         |
| 38/ 37<br>36/ 35     |   | 4.3  | • 7               |                |          | <u> </u>     | i  |                |               |  |             | <del>;;-</del>                                   |               |          |               | <del>- ' <u>* '</u> 7</del> ' | 7            | 28           | 11<br>12<br>13<br>11<br>19 |
| 34/ 33               |   | 1 7  |                   |                |          |              |  | <del></del>    | ļ             | <del>                                     </del> | <u> </u>    | <del>: - :</del>                                 | <del></del>   |          |               | <u> </u>                      | <u>2</u> .   | 8.           | 19                         |
| 32/ 31               |   | • •  |                   |                |          |              |  |                |               |  | !           | 1 1  | ı             |          |               | 1                             | ī            | 4.           | 20<br>15                   |
| 30/ 29               |   |  |                   |                |          |              | T.   | 1              |               |  | i           |  |               |          |               |                               | - •          |              | 1                          |
| OTAL                 |   | 29.7   | 38,4              | 7.2            | 12.3     | 8.7          | 2.2  | <del> </del> - | 1.4           | -  |             | <del> </del>                                     |               | <u> </u> |               |                               | 138          |              | <u> </u>                   |
|                      |   | <u> </u>   |                   |                |          |              | <u></u>  |                |               | <u> </u>   |             |  | -             |          |               | 138                           |              | 138          |                            |
|                      |   | <u> </u>   |                   |                |          |              |  |                |               |  |             |  | , ;           | :        | ,             |                               |              | i t          |                            |
|                      |   |  |                   |                |          |              |  | <u> </u>       |               |  |             |  |               |          |               | <del></del>                   |              |              |                            |
|                      |   | <del>                                     </del> |                   |                |          |              | <del>                                     </del> |                |               |  | +-          | -  |               |          | <del>:</del>  |                               |              | <del></del>  |                            |
|                      |   | <del>i</del> —                                   |                   | <del>-</del> - |          |              | <del> </del>                                     |                |               |  |             | -  | _             |          |               |                               |              |              |                            |
|                      |   |  |                   |                |          |              |  |                |               |  |             |  |               |          |               |                               |              |              |                            |
|                      |   |  |                   |                |          |              | <u> </u>   |                |               |  |             |  |               |          |               |                               | :            |              |                            |
| Element (X)          |   | ΣX²  |                   |                | Σχ       |              | X  | σχ             |               | No. Obs.   |             |  | μ.            | an No.   | of Hours w    | ith Temperati                 | ure          |              |                            |
| Rel. Hum.            |   |  | 0058              |                | 100      | 04           | 72.5   | 13,4           | 65            | 138  | = 0         | F ± 3  | 2 F           | ≥ 67 F   | ≥ 73 F        | ≥ 80 F                        | → 93 F       |              | otal                       |
| Dry Bulb<br>Wet Bulb |   |  | 3435              |                | 67       |              |  | 8,8            |               | 138  |             |  |               | 3.3      | <u> </u>      |                               |              |              | 90                         |
| Dew Point            |   |  | 2729<br>7701      |                | 61<br>55 |              | 44.7<br>40.1                                     | 6.6            |               | 138<br>138                                       |             |  | -             |          | <del> </del>  | <del>- </del>                 | <u> </u>     | _            | 90<br>90                   |
|                      |   |  | 1 ( V #           |                | 22       | 21           | 7701   | 0.0            | 57            | 158  |             | 1.0  | 0.4           |          | <u> </u>      | _!                            | 1            | <u> </u>     | 90                         |

FORM 0.26-5 (OL A)

USAFETAC

## PSYCHROMETRIC SUMMARY

34199 SIEGENBURG GERHANY GUNNERY RANGE 68-70 1500-1700 PAGE 1 Temp. WET BULB TEMPERATURE DEPRESSION (F) TOTAL

| Temp.         |             |  | WET BULB 7      | <b>SEMPERATUR</b>                                | E DEPRESSION                                     | (F)  |  |               |               | TOTAL              | . 1           | OTAL             |    |
|---------------|-------------|--|-----------------|--|--|--|--|---------------|---------------|--------------------|---------------|------------------|----|
| (F)           | 0 1-2 3-4   | 5 - 6 7 - 8                                      | 9 - 10 11 - 12  | 13 - 14 15 - 1                                   | 6 17 - 18 19 - 2                                 | 0 21 - 22 23 -                                   | 24 25 26   | 27 28 29 3    | 0 31          | ) B. W B D         | ry Bu ⊵∫₩     | er to t De       | P  |
| 68/ 67        |             |  |                 | 2 . 2: 2 .                                       | 2:   |  |  | •             |               | 4                  | 4             | •                |    |
| 66/ 65:       |             |  | 1.1. 2.2        | 1  | 1.   |  |  |               |               | 4                  | 4             |                  |    |
| 64/ 63.       |             | -  | 1,1 3,4         | 1.1  |  |  |  | •             |               | 5                  | 5             |                  |    |
| 62/ 6Ī.       |             | 3.4  | 2.2 1.1         | ,  |  |  |  |               |               | 6                  | 6             |                  |    |
| 50/ 59        |             | 3,4 1,1  | 1.1.            |  | 1  |  |  | - ·•          | • •           | 3                  | 3             |                  |    |
| 38/ 57i       | 1.          | 1 1.1 3.4  | 3.4             | _  | 1  |  |  |               |               | 8                  | 8             |                  |    |
| 16/ 551       | 1.          |  |                 |  |  |  |  |               | *             | 3                  | 3             | 2                |    |
| 14/ 53        |             | 1.1  |                 |  |  |  |  |               |               | ī                  | Ĩ             | 17               |    |
| 2/ 31         | . 2.        | 2  | <del></del>     | <del>i</del>                                     | <del></del>                                      | <del> i -</del>                                  | <del></del>                                      |               |               | — <del>-</del> 5·· | <del></del>   | 17<br>7          |    |
| 0/ 49         | 1.1 2.      | 2 2.2 1.1  |                 |  | 1  | 1  |  |               |               | 5.                 |               | 5                |    |
| 8/ 47         | 3.4 1.      | 1 1.1 3.4  |                 |  | <del></del>                                      | <del>1 i</del>                                   |  |               |               |                    | A             | <del>a</del> · - | -  |
| 6/ 45         | 1.1 2.      | 2 2.2  | •               | ' !  | 1  | 1 i  |  |               |               | 3                  | š             | 6                |    |
| 4/ 43         | 2.2 3,      | 4 2 2  |                 | <del>i</del> -                                   | <del></del>                                      | <del>-i</del>                                    |  |               |               | <del>5</del> -     | - <del></del> |                  | -  |
| 2/ 41         | 10.         | 1  |                 | . +  |  |  |  |               |               | ģ                  | ģ             | 6                |    |
| 0/ 39         | 2.2 9.      | 5 -  |                 | :  |  | ·  |  |               |               | - <u>1ó</u> -      | 10            | - <u>11</u>      | -  |
| 8/ 371        | 1 3.4       |  | !               | 1 i  |  |  |  |               |               | • 3                | 3             | 12               |    |
| 6/ 35         | 2.2         | <del></del>                                      |                 | <del></del>                                      | ·  | <del></del>                                      |  |               |               |                    |               | <del></del>      | -  |
| 4/ 33         | 1.1         | !  | i               |  |  |  |  |               |               | ĭ                  | 1             | à                |    |
| 2/ 31         |             | <del>   </del>                                   |                 | <del></del>                                      | <del></del> -                                    | <del></del> ;                                    | <del></del>                                      |               |               |                    |               | <del>-</del> -   |    |
| TAL           | 16.932.     | 612.415.7  | 9-0 6-7         | 1 3:41 3.  | 4  | :  |  |               |               |                    | 89:           |                  |    |
| 1 1 1 1 1     | 1 1         |  |                 |  | <del>'i i -</del>                                |  |  |               |               | 89                 |               | 39               |    |
| i             | į l         |  |                 |  |  | ! !  |  | ,             |               | <i>u ,</i>         |               | 4,               |    |
| <del></del>   | <del></del> | <del>                                     </del> |                 | <del>i                                    </del> | <del>                                     </del> | 1-1-   |  |               |               |                    |               |                  | -  |
| !             |             |  | •               |  |  | ! !  | •  | ,             |               |                    |               |                  |    |
| <del></del>   | <del></del> | <del>                                     </del> | —— <del> </del> | <del>                                     </del> | <del>-  </del>                                   | <del>1 i -</del>                                 | <del>-                                    </del> |               |               |                    |               |                  |    |
| 1             |             |  |                 |  |  | 1 1  | 1  |               | 1             |                    |               |                  |    |
| <del></del> i | <del></del> | <del> </del>                                     |                 | <del>                                     </del> | <del>                                     </del> | <del>                                     </del> | <del></del>                                      | <del></del>   |               |                    |               |                  | ٠. |
| 1             |             |  |                 |  |  | 1 1  |  |               |               |                    |               |                  |    |
| <del></del>   | <del></del> |  |                 | <del> </del>                                     | <del></del>                                      | <del>                                     </del> | <del></del>                                      | <del></del>   |               |                    |               |                  |    |
| i             |             | 1 1 1  |                 |  | 1 1  |  |  |               | •             |                    | •             |                  |    |
|               | <del></del> | <del>   </del>                                   |                 | <del></del>                                      | <del></del>                                      | <del>1 i</del>                                   | +  | <del></del> - | <del></del>   |                    |               |                  |    |
|               |             |  |                 |  |  |  |  |               |               |                    | •             |                  |    |
|               |             | <del>                                     </del> |                 | <del> </del>                                     | <del>                                     </del> | <del>                                     </del> | +  |               | <del></del> † |                    | <del></del> ; |                  | ~- |
|               |             | ]  |                 |  |  |  |  | 1             |               | į                  |               |                  |    |
| lement (X)    | Σχ2         | z <sub>x</sub>                                   | Ī               | · ·  | No. Obs.   | Ť  |  | Mean No. of   | Hours with    | Temperatu          |               |                  | -  |
| el. Hum.      | 40712       | 0 586  |                 | 15,161   | 89   | ±0F  | ± 32 F   |               | ≥ 73 F        | ≥ 80 F             | ₹ 93 F        | To               | اه |
| ry Bulb       | 23509       |  |                 | 9,695  | 89   | <del>                                     </del> |  | 4.0           |               |                    | 1             |                  |    |
|               |             |  |                 |  |  |  |  |               |               |                    |               | <del></del>      |    |
| et Bulb       | 18140       | 3 391  | 5 44.7          | 6,681  | 89   |  | ì  | 1             | i             |                    | 1             |                  |    |

USAFETALC rote 0.26.5 (OLA)

8045

#### **PSYCHROMETRIC SUMMARY**

90

34199 31EGENBURG GERMANY GUNNERY RANGE 69 APR 7800-5000 WET BULB TEMP\_... ATURE DEPRESSION (F. TO\*AL 1.2 3.4 5.6 7.8 7.10 11.12 13.14 15.16 17.15 19.20 21.22 23.24 25.26 27 28 29 30 23. 36.48 0.8 8 20.8 8 TOTAL 68/ 67 66/ 65 56/ 55 20.0 20.0 20.0 50/ 49 48/ 47 42/ 41 ĺ 20.0 40/ 39 38/ 37 34/ 33 TOTAL 20.020.0 Element (X) Mean No. of Hours with Temperature 279 55,820,535 285 57,010,271 241 48,2 5,933 199 39,8 5,566 Rel Hum. 17255 ≥ 67 F | ≥ 73 F 16667 Dry Bulb Wet Bulb

0.26.5 (OL A)

101M 0.26.5 (OLA)

USAFETAC

34199 SIEGENBURG GERMANY GUNNERY RANGE 68-70

## PSYCHROMETRIC SUMMARY

**AVA** 

| 1  | STATION               |            |       |          | 5              | ATION N  | WE               |          |          |                |         |                                       |        |                                       | 1=5        |                                       | PAGE           | 1                | 0600#<br>2600#   |      |
|--|-----------------------|------------|-------|----------|----------------|----------|------------------|----------|----------|----------------|---------|---------------------------------------|--------|---------------------------------------|------------|---------------------------------------|----------------|------------------|------------------|------|
|  | Temp.                 |            |       |          |                |          | WET              | BULB 1   | EMPERAT  | URE C          | EPRESSI | DN (F)                                |        |                                       |            |                                       | TOTAL          |                  | 707AL            |      |
| 18   |                       | 0          | 1 - 2 | 3 - 4    | 5 - 6          | 7 . 8    |                  |          |          | -              |         | * * * * * * * * * * * * * * * * * * * | 2 23 . | 24 25 25                              | .7 . 28 29 | . 30 - 31                             |                | ev B. e          |                  | e Pa |
| 1  | 68/ 67                |            |       |          | 1.5            | . 7      |                  |          |          |                |         |                                       | •      | •::•                                  |            | • •                                   | . 3<br>1       | 3<br>1           |                  |      |
| Second (X)   X   X   X   X   X   X   X   X   X   | 64/ 63                |            | .7    |          |                |          | . 7              | • 7      |          |                | ii      |                                       | •      |                                       |            | <b>**</b>                             | 1 3            | 1<br>3           | 3                |      |
| September   Sept |                       | .7         |       |          | . 7            | 1.5      |                  |          |          |                |         |                                       |        |                                       |            | • -                                   | 7              | 5                | 3                |      |
|  |                       |            |       | 1.5      | 1,5            | 1.5      | . 7              |          |          |                |         |                                       | :      |                                       |            | - +-                                  | 7              | 7                | <del>4</del> 5   | -    |
| 1  |                       |            | 2.2   | 2.2      | 1.5            |          |                  |          | ;        | •              |         | !                                     |        |                                       |            |                                       | 8<br>28        | 8<br>28          | - <del>- 3</del> |      |
| 14   43   17   3   7   7   7   7   24     12   2   2   2   7   7   7   7     10   39   2   2   3   7     10   39   2   2   3   7     10   35   1   5     12   7   7   7     13   1   1     13   1     14   10   6   6   2   227   4     14   10   7   7     15   135     135 | 6/ 47                 | 1.5        | 4.4   | 7,4      | .7             |          | · · · ·          |          | 1        | i              |         |                                       | Ì      | <del></del>                           |            | •                                     | 19             | 19               | 19               | ]    |
| 100   39   2,2 3,7   8   7   7   7   7   7   7   7   7   |                       | 2.2        | 3.7   | ,7<br>,7 |                |          |                  |          |          | <del>;</del> - |         | · <del></del>                         |        |                                       |            |                                       | <del></del>    | - <del>-</del> 7 | 24               |      |
|  | 8/ 37                 | 2,2        | 3.7   |          |                |          |                  |          |          |                | 1       |                                       |        |                                       |            |                                       | 8 7            | 8                | 9<br>7           |      |
| TAL   10.642.227.412.6 5.2 1.5 .7   135  | 4/ 33                 |            | 1.5   |          |                |          |                  |          |          |                | !       |                                       | !      |                                       |            |                                       | 2 2            | 2 2              | 4                |      |
| lement (X)   \( \frac{\firce{\frac{\firk}}}}{\frac{\frac{\frac{\frac{\frac{\frac{\       | 2/ 31<br>TAL          | •7<br>10•6 | 42.2  | 27.4     | 12.6           | 5.2      | 1,5              | .7       |          |                |         |                                       | 1      |                                       |            |                                       | 1              | 1<br>135         | 1                |      |
| el. H.m. 917931 11009 81,512,268 135 ±0F ±32F ±67F ×73F ×80F ×93F Toro   |                       |            |       |          |                |          |                  |          | The same |                |         |                                       |        |                                       |            | , , , , , , , , , , , , , , , , , , , | 135            |                  | 135              |      |
| el. H.m. 917931 11009 81,512,268 135 ±0F =32F ±67F =73F =80F -93F Toro<br>ry Bulb 325645 5559 48,6 7,215 135 ,7; 2.1   | o Dirac               |            |       |          |                |          |                  |          |          |                |         |                                       |        | · · · · · · · · · · · · · · · · · · · | i_         |                                       |                |                  |                  |      |
| el. H.m. 917931 11009 81,512,268 135 ±0F =32F ±67F =73F =80F -93F Toro<br>ry Bulb 325645 5559 48,6 7,215 135 ,7; 2.1<br>et Bulb 287662 6176 45,7 6,182 135 ,7;   |                       |            |       |          |                |          |                  |          |          | -              |         |                                       |        | ! :                                   | i<br>i     |                                       |                |                  |                  |      |
| #H.H.n. 917931 11009 81,512,268 135 ±0F ±32F ±67F ×73F ×80F ×93F Toro<br>y Built 325645 5559 48,6 7,215 135 ,7 2.1   |                       |            |       |          |                |          |                  |          |          |                |         |                                       |        |                                       |            | i-                                    | -1             |                  |                  |      |
| #H.H.n. 917931 11009 81,512,268 135 ±0F ±32F ±67F ×73F ×80F ×93F Toro<br>y Built 325645 5559 48,6 7,215 135 ,7 2.1   |                       |            |       |          |                |          |                  |          |          |                |         |                                       |        |                                       |            |                                       | <u> </u>       |                  | ·                |      |
| el. H.m. 917931 11009 81,512,268 135 ±0F =32F ±67F =73F =80F -93F Toro<br>ry Bulb 325645 5559 48,6 7,215 135 ,7; 2.1<br>et Bulb 287662 6176 45,7 6,182 135 ,7;   |                       |            |       |          |                |          |                  |          |          | _              |         |                                       |        |                                       |            |                                       | 1              |                  |                  |      |
| el. H.m. 917931 11009 81,512,268 135 ±0F =32F ±67F =73F =80F -93F Toro<br>ry Bulb 325645 5559 48,6 7,215 135 ,7; 2.1   |                       |            | 72    |          |                | <u> </u> |                  |          |          |                |         | _                                     |        |                                       | 1          | 1                                     | <u>:</u>       |                  | 1                |      |
| ry Bulb 325645 5559 48.6 7.215 135 7 2.1 er Bulb 287662 6176 45.7 6.182 135 7  |                       |            |       | 703:     | <del> </del> - |          | <del>~-</del>  - |          |          |                |         | <del></del> -                         |        |                                       |            | · · · · · ·                           |                | $\overline{}$    | <del>- 1</del>   |      |
| er Bulb 287662 6176 45,7 6,182 135 7   | <del></del>           |            | 71    | 173      | <del>  -</del> |          |                  | <u> </u> | 16350    | <u>-</u> -     | 132     |                                       | F      |                                       |            |                                       | → 80 F         | - 93 F           |                  |      |
|  |                       |            |       |          |                |          |                  |          |          |                | - 25    |                                       |        |                                       | <u> </u>   | <b></b>                               | <del> </del> - | ┼                | <del></del> -    |      |
| Dew Point   253494  5790 42.9 6.210  135   4.8   | Ver Bulb<br>Dew Point |            |       |          |                |          |                  |          |          |                | 135     |                                       |        | 97<br>4.8                             |            | <del> </del>                          |                | .                |                  | - 6  |

## **PSYCHROMETRIC SUMMARY**

34199 SIEGENBURG GERMANY GUNNERY RANGE 68-70

0900-1100

| Te-p.<br>(F)   |                  |                  |  |              |                    |        | DEFRESSION      |                |               |            |              | TOTAL          |              | TOTAL            | <u>-</u>   |
|----------------|------------------|------------------|--|--------------|--------------------|--------|-----------------|----------------|---------------|------------|--------------|----------------|--------------|------------------|------------|
| 80/ 79         | C 1-2 3          | - 4 5 - 6        | 7 - 8 9  | . 10 11 - 1  | 2 13 - 14 1<br>• 7 | 5 - 16 | 17 - 18 19 - 20 | 21 - 22        | 23 24 25 - 26 | 27 28 29   | 30 - 3.      |                | B. b *       | ren Bulb S       | ew P       |
| 78/ 77         |                  |                  |  | :            | 7.                 |        |                 |                |               |            |              | 1              | 1            |                  |            |
| 76/ 75         |                  |                  |  | 2.           | 2                  |        |                 |                |               |            |              | 3              | <u>~-</u> ;- |                  |            |
| 74/ 73         |                  |                  | 7  | 2 2          | 1.5                |        |                 |                |               |            |              | 5              | ş            |                  |            |
| 72/ 71         |                  |                  | 1.5  | <u> </u>     |                    |        | , 7:            | •              |               |            |              | 3              | 3            |                  |            |
| 70/ 69         |                  | 1.5              | )  | 1.           | 5:                 |        |                 |                |               |            |              | 4              | 4            |                  |            |
| 68/ 67         |                  |                  |  | ,7           |                    | .7     |                 |                |               |            |              | 2              | 2            |                  | -          |
| 66/ 65         |                  | . 7              | <u> </u>   |              |                    |        | i               |                |               |            |              | 3              | 3.           |                  |            |
| 64/ 63         | ; -              | .7 1.5           |  | 0 2.         | 2 . 7              |        |                 | i              |               |            |              | 13             | 13           | 7                |            |
| 62/ 61!        |                  | •7 •7            |  | . 5          | 7!                 |        |                 |                | ···           |            |              | 5_             |              |                  |            |
| 6C/ 59         | •                | 2.2              | 1,5  | 7 7          | <u> </u>           |        | 1               | 1              |               |            |              | 11             | 11           | 8                |            |
| 58/ 57         |                  | 7 1 5            | 6.7  |              | 7!:                |        |                 |                |               |            |              | 18             | 18           | - <del>2</del> - |            |
| 56/ 55         |                  | .5 2.2           | 2.2  | . 7          | 2 3                |        |                 |                |               |            |              | 7              | •            | •                |            |
| 52/ 51         | 1.5              | ·7 1.5           | 1.5  | 7            | <del></del>        |        |                 |                |               |            |              | $\frac{3}{11}$ | - <u>-</u> 8 | 13.<br>15        |            |
| 30/ 49         | 2.2 6            | .5 3.7<br>.0 2.2 |  | • <b>7</b> ( |                    |        |                 |                |               |            |              | 15             | 15           | 17               |            |
| 48/ 47         | 7 2.2 3          | 9                |  |              |                    |        |                 |                |               |            |              | 72.            |              | 22               |            |
| 46/ 45         | 7 3.7            | 7 .7             | 1  |              |                    |        |                 |                |               |            |              | á              | Á            | 16               |            |
| 44/ 43         | 2.2              |                  | ·  |              |                    |        |                 |                |               |            |              | 3              | 3            | 14               |            |
| 42/ 41         | . 7              |                  | 1  |              |                    |        |                 |                |               |            |              | 1              | ì            | 4.               |            |
| 40/ 39         | 7!               | ;                | :  | i            | -                  |        | :               | ••             |               |            |              | 1              | 1            | 1                |            |
| 38/ 37         |                  |                  | <u> </u>   | 1            | <u> </u>           |        | <u> </u>        | ·              |               |            |              |                |              | 1                |            |
| 36/ 35         |                  | I<br>t           | !  | :            | 1 .                |        |                 |                |               |            |              |                |              |                  |            |
| 34/ 33         |                  |                  | <del>                                     </del> |              |                    |        | <del></del>     |                |               |            |              |                |              |                  |            |
| 32/ 31<br>OTAL | 1.514.219        | 410 7            |  | . 7 0        | 2 2 0              | .7     | .7              | ; !            |               |            |              |                | 134          |                  | ī          |
| UIAL !         | 185149511        | 9711081          | 110611   | 70 / 75      | 0 300              | • 1    | <del></del>     | <del>  </del>  |               |            |              | 134            | 134          | 134              | _ <u>}</u> |
|                | i l              | !                |  |              |                    |        |                 |                | •             |            |              | 134            |              | 134.             |            |
|                | <del></del>      |                  | <del> </del>                                     |              | <del></del>        |        |                 | 1              | <del></del>   |            |              |                |              |                  |            |
|                |                  | _                | !  | i _          |                    |        |                 |                | - I           |            |              |                |              |                  |            |
|                | i                |                  |  |              |                    |        |                 | 1              | :             |            |              |                |              |                  |            |
|                |                  |                  | <del></del>                                      |              | 4                  |        |                 | <del>!</del>   |               |            |              |                |              |                  |            |
|                |                  |                  |  | }            |                    |        |                 |                | ;             |            |              |                |              |                  |            |
| Element (X)    | z <sub>X</sub> , | <del></del>      | z <sub>x</sub>                                   | <del> </del> | 1 -,               |        | No. Obs.        | <del>'</del> ' | <del></del>   | Mean No. a | f Hours with | Temperatu      | re           |                  | _          |
| Rel. Hum.      | 6019             | 65               | 8749   |              | 315.20             |        | 134             | ± 0 F          | ± 32 F        | . ≥ 67 F   | ≥ 73 F       | ≥ 80 F         | . • 93 F     | T.               | otal       |
| Dry Bulb       | 4464             | 00               | 7648   | 57.          | 1 8.62             |        | 134             |                |               | 13.2       | 6.9          | .7             |              |                  |            |
| Wet Bulb       | 3494             | 88               | 6792   | 2 50         | 7 6.25             | 3      | 134             |                |               | ,          |              |                |              |                  |            |
| Dew Point      | 2744             | 32               | 6000   | 1 44.        | 8 6,59             | 0      | 134             |                | 3.5           |            |              |                |              |                  |            |

## PSYCHROMETRIC SUMMARY

| 34199<br>5'A' ON   | SIEGENBURG G  | STAT ON HAZE                            | NNEKT          | HANGE        | 68=         | / U     |              | *{*           | iā 5          |              |               |                  | JA          |      |
|--------------------|---------------|---|----------------|--------------|-------------|---------|--------------|---------------|---------------|--------------|---------------|------------------|-------------|------|
|                    |               |   |                |              |             |         |              |               |               |              | PAGE          | 1                | 1200=       | 14   |
| Temp               |               |   |                | EMPERATU     |             |         |              |               |               |              | TOTAL         |                  | TOTAL       | _    |
| (F)                | 0 1-2 3-4 5-  | 6 7-8 9-1                               | 11 - 12        | 13 - 14 15 - |             | 19 - 25 | 21 - 22 23 - | 24 25 26      | 27 - 28 13    | 30 + 31      | D B. № B D    | • B. : ≖         | e+ Bu + D   | ٠-   |
| 86/85              |               |   |                |              | 1.5         |         |              |               |               |              | 2             | 2                |             |      |
| 84/ 83             |               | i                                       |                |              | 7' 17.      |         |              |               |               |              |               | 2_               |             |      |
| 82/ 81             |               |   |                |              | <u>7</u> .  |         |              |               |               |              | 1             | 1                |             |      |
| 8C/ 79             |               | - <del></del> -                         |                | 3.0          |             |         |              |               |               |              |               | .2.              |             |      |
| 78/ 77<br>176/ 75: |               |   | ,7<br>2.2      | •            | 7.          |         |              |               |               |              | 7             | 1                |             |      |
| 74/ 73             | <del></del>   | .7                                      |                | 1.5          | <u></u>     |         | •            |               |               |              |               | -3.              | •           |      |
| 72/ 71:            |               | • | 7 .7           | ***          | 2 . 2       |         |              |               |               |              | 8             | 5                |             |      |
| 70/ 69             |               | .7                                      | •              | 1,5          |             |         | <del></del>  |               |               |              | 3             | — <del>3</del> . |             |      |
| 68/ 67             |               | 7:1.                                    | 5: 3:0:        | 2.21         |             |         | 1            |               |               |              | 10            | _1c_             | 5           |      |
| 66/ 65             |               |   | 01 2.2         | 3.7          |             |         | <u>-</u> -   | <del></del>   | <del></del>   |              | 12            | 12               | <u>5</u> .  |      |
| 64/ 63             |               |   | 4 2,2          | 1.5          | !           |         | <u> </u>     |               |               |              | 17            | 17               | 3.          |      |
| 62/61              | , <b>1</b>    | 5 ,7 3,                                 | 0 3,7          | ,            |             |         | 4            |               | •             |              | 12            | 12               | 4           |      |
| 6C/ 59             | <del></del>   |   | 2 2 2          |              |             |         |              |               |               |              |               | 8.               | 4           | _    |
| 58/ 57             | 2.2 2         | .2 3,C                                  | 2,2            | :            |             |         |              |               |               |              | 13            | 13               | 4.          |      |
| 56 / 55            | 7,7,2         |   | 7 1.5          |              |             |         |              |               |               |              | 8             | <u>8</u> .       | 18.         | _    |
| 54/ 53<br>  52/ 51 | .72           | . O                                     | 7              |              |             |         |              |               |               |              | 5<br>4        | 5<br>4           | 22          |      |
| 32/ 51<br>30/ 49   | 3.C 2.2       | 8 61                                    |                |              |             |         | ·            |               |               |              | - 4.          | 7                | 13          |      |
| 48/ 47             | .7 3.7        |   |                |              |             |         |              |               |               |              | 6             | 4                | 11          |      |
| 46/ 45             | 4,4           | <del></del>                             | <del>-i-</del> | ····         |             |         |              |               |               |              | <del></del> - | - 6              | •           | _    |
| 44/ 43             | 7             | •                                       | •              |              | ,           |         |              |               |               |              | 1             | ī                | 14          |      |
| 42/ 41:            |               |   |                |              |             |         |              |               |               |              |               |                  |             |      |
| 4C/ 39             |               |   |                | :            |             |         |              |               |               |              |               |                  |             |      |
| 36/ 35             |               |   | *              |              |             |         |              |               |               |              |               |                  |             |      |
| 32/ 31             |               |   |                | <u> </u>     | <del></del> |         | +            |               |               |              |               |                  |             |      |
| 30/ 29             | 9.6 8.913     | ah                                      | , h            |              | 0. 6. 6.    |         | :            |               |               |              |               | 135              |             |      |
| TOTAL              | . 7.0 0.713   | • 2 t T • T T 2 •                       | <u>020.1</u>   | 1300 30      | U 7 9 7     |         | <del></del>  |               | i             |              | 135           | 193              | 135         |      |
|                    |               |   | i              | !<br>! .     | ,           |         | !            |               |               |              | 133           |                  | 150         |      |
|                    |               |   | <del></del>    | . !          |             |         |              | <del></del> - | i             |              |               |                  |             |      |
| <del> </del>       | <del></del>   | <del></del>                             |                | <del></del>  | <del></del> |         | <del></del>  | <del>-:</del> | <del></del> i |              |               |                  |             | _    |
| <u> </u>           |               |   | 1              |              | 1           |         | _نـــنـ      |               | <del></del>   | 4 .          | <del></del>   |                  |             | _    |
| Rel. Hum.          | Σχ²<br>465913 | 7635                                    | X<br>X<br>A    | 15,955       | No. Ob      | 35      | ± 0 F        | : 32 F ,      | z 67 F        | f Hours with | ₹ 80 F        | . e 93 F         |             | otal |
| Dry Bulb           | 527985        | 8345                                    | 61 2           | 9,518        |             | 35      | 201          | 32 5          | 24,8          |              |               |                  |             | 701  |
| Wet Buib           | 383488        | 7144                                    |                | 6.370        | 1           | 35      |              | <del> </del>  | 3.4           |              | 7:0           | <del>;</del>     | <del></del> | _    |
| Dew Point          | 281119        | 6095                                    |                | 6.659        | :           | 35      |              | 3.4           |               | <del></del>  |               | <del> </del>     | 1           |      |

34199 SIEGENBURG GERMANY GUNNERY RANGE 68+70

#### **PSYCHROMETRIC SUMMARY**

|               |  |              |                 |               |                 |              |                                       |             |                | PAGE          | 1 _            | 1500-      | 170 |
|---------------|--|--------------|-----------------|---------------|-----------------|--------------|---------------------------------------|-------------|----------------|---------------|----------------|------------|-----|
| Temp          |  | WET          | BULB TEMPE      | RATURE        | DEPRESSION (    | F,           |                                       |             |                | TOTAL         |                | OTAL       |     |
| (F, 0         | 1 . 2 3 . 4                                    | 5-6 7-8 9-10 | 11 - 12 13 - 14 | 15 - 16       | 17 - 18 19 - 20 | 21 - 22 23   | 24 75 - 26                            | 27 28 29    | 30 73, 73      | ≳8. ≠.8 ე.    | , 6. t *       | er Bulk De | r P |
| 88/ 87        |  |              |                 | •             | 1,9             |              | •                                     | - •         |                | ź             | 2              |            |     |
| 86/ 85        |  |              |                 |               | 1.0 1.0         |              |                                       |             |                | 2             | 2              |            |     |
| 84/ 83        |  |              |                 |               | 1.9             |              |                                       |             |                | 2             | 2              |            |     |
| 32/ 81        |  |              |                 | 1,0           |                 |              |                                       |             |                | 1             | 1              |            |     |
| 79            |  |              | 1.0             | 2,9           |                 |              |                                       |             |                | 4             | 4              |            |     |
| 8/ 77         |  | ·            | 1.0             | 2.9           |                 |              |                                       |             |                | 4             | 4              | •          | _   |
| 6/ 75         |  |              | 1.0             |               | 1.9             |              |                                       |             |                | 3             | 3              | _          |     |
| 4/ 73         |  | <del></del>  | 1,9             | 1.9           | ·               |              |                                       |             |                | 4             | 4.             |            | _   |
| 2/ 71:        |  |              | 2.5             |               | ļ               | •            |                                       |             |                | 3             | 3              |            |     |
| 0/ 69         | - <del></del>                                  | <del></del>  | 4.9             | 1.9           | <u> </u>        |              |                                       |             |                |               |                |            |     |
| 8/ 67         | i  | 1.9          | 1,5             | li .          | į į             |              |                                       |             |                | 4             | 4              | 6          |     |
| 6/ 65         | <del></del>                                    | <del></del>  | 4,9 3.9         | !             |                 |              |                                       |             |                | · <del></del> | 9.             | - 4        |     |
| 4/ 63         |  | 2,9          | 2,9 1.0         | )·            |                 |              |                                       |             |                | 8             | 8              | 3          |     |
| 2/ 61         |  | 1.9 2.9 1.9  | 1.9             | ·             |                 |              |                                       |             |                | 9             |                |            | _   |
| 0/ 59         | Å  | 1.0 3.9 2.9  | 2,9             | .1            |                 |              |                                       |             |                | 11            | 11             | 3          |     |
| 6/ 57         | <del></del>                                    | 1.9 1.0 3.9  | 1.0 1.5         | <u>'l</u>     | <del></del>     |              |                                       |             |                | 10            | <u> 10</u>     | 10         |     |
|               | 1.0  | 1.0 1.0      |                 |               |                 |              |                                       |             |                | 3             | 3              | 7          |     |
| 2/ 51         | <del></del>                                    | 3.9 1.0      | <del></del>     |               |                 |              |                                       |             |                |               | <del></del> -  | 22         |     |
| 2/ 51-        | 1 0 1 0  | 1.9 1.0      |                 |               |                 |              |                                       |             |                | 4             | 4              | 9          |     |
| 6/ 47         | 1.0 1.0<br>1.0                                 | 1.0          | <del></del>     |               | <del></del>     |              |                                       |             |                |               | <del>}</del> _ | - 15       | L-  |
| 6/ 45         | 1.0 1.9  |              |                 |               |                 |              |                                       |             |                | •             | <b>4</b> ,     | 15.        |     |
| 4/ 43         | 1.0  | <del></del>  | <del></del>     | <del></del>   | <del>i</del>    | <del> </del> |                                       | <del></del> |                | <del></del>   | <del></del>    |            |     |
| 2/41:         | <b>1</b> • • • • • • • • • • • • • • • • • • • | 1            | •               |               | •               | ,            |                                       |             |                |               |                | 9.         |     |
| C/ 39         | <del></del>                                    | <del> </del> | <del></del>     | <del>:</del>  | <del></del>     |              | <del></del>                           | <del></del> |                |               |                |            |     |
| 8/ 37         |  | )            | \$<br>4         | •             | 1               |              |                                       |             |                |               |                |            |     |
| 6/ 35         | <del></del>                                    | <del></del>  | <del></del>     | <del></del> - | ·               |              |                                       |             |                | <del></del>   |                |            |     |
| 4/ 33         | :  |              | 1               | :             |                 |              | •                                     | :           |                |               |                |            |     |
| 6/ 25         |  | <del></del>  | <del></del>     | <del></del>   | i               |              | <del></del>                           | <del></del> |                |               |                |            |     |
| 4/ 23         |  | 1 1          | :               | ĺ             |                 |              |                                       |             |                |               |                |            |     |
| TAL           | 2.9.5.61                                       | 2.611.713.5  | 21.413.6        | 110.7         | 2.9 4.9         | <del></del>  | <del></del>                           |             |                |               | 103            |            | 1   |
| ;             |  |              |                 |               |                 | 1            |                                       |             |                | 103:          |                | 103        | •   |
| <del></del> - | <del></del>                                    | <del></del>  | <del></del>     | <del> </del>  | <del></del>     | ;            | · · · · · · · · · · · · · · · · · · · |             |                |               |                |            | _   |
| -             |  |              | 1               | !             |                 | ,            |                                       |             |                |               |                |            |     |
| lement (X)    | Σχ² i  | ZX           | x .             |               | No. Obs.        | <del></del>  |                                       | Hean No. of | Hours with     | Temperatur    | •              |            | _   |
| el. Hum.      | 288731   |              | 51.014.         |               | 103             | ± 0 F        | = 32 F                                | ≥ 67 F      | ≥ 73 F         | ≥ 80 F        | . 93 F         | To         | tol |
| bry Bulb      | 434818   |              | 54.200.0        |               | 103             |              |                                       | 32.5        | 19.9           | 9.9           |                |            |     |
| Tet Bulb      | 300830   | 5526         | 53,7 6,         |               | 103             |              |                                       | 5.4         | _ <del>,</del> |               | <del></del>    |            | _   |

USAFETAC 10km 0.26.5 (OLA) HINSEPHINOUS EBHOMS OF INT FORM ARE OLS OFFI

#### PSYCHROMETRIC SUMMARY

34199 SIEGENBURG GERMANY GUNNERY RANGE 68+69 ¥ÃY \_1200#300c WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 0 1.2 3.4 5.6 7.8 9.10 11.12 13.14 15.16 17.18 19.20 21.22 23.24 75.26 27 28 29 30 .3 DB \*6 Dr. B. 5 Act B. t De- Po 86/ 85 84/ 83 78/ 77 11.1 11.1 70/ 69 68/ 67 66/ 55 64/ 63 11.1 62/ 61 58/ 57 56/ 55 54/ 53 52/ 51 50/ 49 48/ 47 11.111.1. 1 11.1. 40/ 45 44/ 43 4C/ 39 36/ 35 11.111.111.111.122.2 11.122.2 Mean No of Hours with Temperature 478 53,117,018 603 67,012,728 505 56,1 8,462 27704 41697 51.7 10.3 Dry Bulb 93 93 Wet Bulb 432 48.0 8.426 93

0.26.5

## PSYCHROMETRIC SUMMARY

| 34199        | SIEGENBURG         | S"A" ON NAME   |             |                | 68≈69            |  | *1   | (AAS        |              |                   |               | ان ان<br>مارین |           |
|--------------|--------------------|----------------|-------------|----------------|------------------|--|--|-------------|--------------|-------------------|---------------|----------------|-----------|
|              |                    |                |             |                |                  |  |  |             |              | PAGE              | 1             | <u> </u>       | 1         |
| Temp<br>(F)  |                    |                |             |                | E DEPRESSION     |  |  | - : : -     | 1.*          | TOTAL             |               | TOTAL          |           |
| 50/ 49       | 0 1-2 3-4 5        | 5-6 7-8 9-1    | 9 11 - 12   | 13 - 14 15 - 1 | 6 17 - 15 19 - 2 | 10 21 - 22 23                                    | 24 25 26   | 27 28 29    | 30 + 31      | . 5. 4 5 5.,<br>Å | 7.            | ٠٠٠ B. ۽ ٢٠    | - '       |
| 48/ 47       | 20.0               |                |             |                |                  |  |  |             |              | 1                 | 7             | 4              |           |
| 46/ 43       |                    |                |             | <del></del>    | ·                |  |  |             |              |                   |               | <u></u>        |           |
| 44/ 43       |                    |                |             |                |                  |  |  |             | _            | _                 |               | •              |           |
| TOTAL        | • 0                |                |             |                |                  |  | <b></b>  | •           | •            | · •               | 5             | ,              |           |
|              |                    |                |             |                | <del></del>      |  |  | •           |              | <u></u>           |               | ₫.             |           |
| 1            | •                  |                |             |                | *                |  |  |             |              |                   |               |                |           |
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|              |                    |                |             |                |                  |  |  |             |              |                   |               |                |           |
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|              |                    |                |             |                |                  |  |  |             |              |                   |               |                |           |
|              |                    |                |             |                |                  |  |  |             |              |                   |               |                |           |
|              |                    |                |             |                |                  |  |  |             |              |                   | · - ·         |                |           |
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|              |                    |                |             | <del></del>    | 4                |  |  |             |              |                   |               |                |           |
| 1            |                    |                | ı           |                | 1                |  | 6  | •           |              |                   |               |                |           |
| <b> </b>     |                    | <del> </del> - | <del></del> |                | <del></del>      | <del></del>                                      |  | i-          |              |                   |               |                |           |
| l i          |                    |                | i           |                | * • •            | 40000  | _  |             |              |                   |               |                |           |
| <del> </del> |                    | <del></del>    | <del></del> | <del></del>    | +                | <del></del>                                      |  | <del></del> |              |                   | <del></del> - |                |           |
| 1 :          |                    | H H            | *           |                |                  |  | •  | 1           |              |                   |               |                |           |
| Element (X)  | - z <sub>x</sub> , | Z <sub>X</sub> | <u> </u>    |                | No. Obs.         | <del>'</del>                                     |  | Mean No. o  | f Hours with | Temperature       | <del></del>   |                | _         |
| Rel. Hum.    | 38573              | 439            |             | 2.683          | 5                | 1 = 0 F  | ± 32 F   | ≥ 67 F      | ≥ 73 F       |                   | . 93 F        | To             | e i       |
| Dry Bulb     | 12205              | 247            | 49.4        | .894           | <u>5</u>         | 1  | 1  | <del></del> |              |                   | <del></del> - |                | <u></u> - |
| Wet Bulb     | 11332              | 238            | 47.6        | .894           | - 5              | <del>                                     </del> | <del>                                     </del> |             |              | ·                 |               |                | -         |
| Dew Point    | 10586              | 230            | 46.0        | 1.225          | 5                | $\overline{}$                                    | <del>                                     </del> |             |              |                   |               |                | _         |

### PSYCHROMETRIC SUMMARY

34199 SIEGENBURG GERMANY GUNNERY RANGE 68-70 0600-090c PAGE 1

| Temp.              |              |  |  |                      |                | RE DEPRESSION                                      |  |                |                 |             | TOTAL          |                   | JATOT    |          |
|--------------------|--------------|--|--|----------------------|----------------|--|--|----------------|-----------------|-------------|----------------|-------------------|----------|----------|
| (F)                | 0 1-2        | 3 - 4 5 - 6                                      | 7 - 8 9 -  |                      | 13 - 14 15 - 1 | 6 17 - 18 19 - 2                                   | 21 - 22 23                                       | 24 25 25       | 27 28.29        | 30 . 3.     | ⊅ B. * B. g    | hy Bu ≥ •         | e B. 5 S | hr⇒ Po   |
| 74/ 73             |              |  |  | • 6:                 |                |  |  |                |                 |             | 1              | 1                 |          |          |
| 72/ 71             |              |  | <u> 6 </u>                                       |                      |                |  | <b></b>  |                |                 |             | <del></del>    | <u>l</u> .        |          |          |
| 70/ 69             |              | , 5  | 1,2  |                      |                |  |  |                |                 |             | 3              | 3                 |          |          |
| 68/ 67             |              |  | 1.8  | <del></del> -        |                |  |  |                | • - •           |             | . Ş.           | _ <u>5</u> .      | · ·      |          |
| 66/ 65             |              | 1,2, 1,2   |  | .6                   |                |  |  |                |                 |             |                | . 9               | 1        |          |
| 54/ 63:            |              | 4.3 4.3  |  |                      |                |  |  |                |                 |             | · + 12.        | 16.               | ę.       |          |
| 62/ 61             |              | 4,3 2.4<br>1,8, 2.4                              |  |                      |                |  |  |                |                 |             | 13             |                   | 18       |          |
| 60/ 59:<br>58/ 57: | 1.8 4.9      | 1.2. 1.8   | <del></del>                                      | 4.                   |                | <del>-</del> i                                     | <del>-,,-</del> -                                |                |                 |             | <del>- 1</del> | $-\frac{13}{17}$  | 22       | <u>Z</u> |
| 50/ 55 T           | -            |  |  | • 61                 |                |  |  |                |                 |             | <u>) (</u>     |                   |          | 2        |
| 54/ 53             | 6.1          |  | <u> </u>   | <u>. 2.</u>          | ;              |  |  |                |                 |             | 22             | <u> 22.</u><br>15 | 22       | <u>2</u> |
| 52/51              | 7.3<br>. 4.3 | .6 .6  |  |                      | :              | !  |  |                |                 |             | 7.5            |                   | 14       | 1        |
| 50/ 49             | 3.0 9.8      | 2.4  | <del></del>                                      |                      |                |  | <del></del> -                                    |                |                 |             | ·· 25.         | 9.<br>25          | 10.      | - 1/4    |
| 48/ 47             | 1.2 1.2      | <b>-</b> ♥ <sup>-</sup> 4                        | -  |                      |                |  |  |                |                 |             | - 4            |                   | 16       | 1        |
| 46/ 45             | 1.2 1.2      | , 6  | i  |                      |                |  |  |                | •               |             | ·              | \$                | 16<br>B  | Ĩ        |
| 44/ 43             | 6 6          | , , ,  |  | ;                    | Ĭ              |  |  |                |                 |             | 2              | 2                 | 4        |          |
| 42/ 41             | ,6           | , 6,   | <del></del>                                      |                      |                |  |  |                |                 |             |                | 2                 | 1        |          |
| 40/ 39             | • •          | <b>-</b> -;                                      | _  |                      |                |  |  |                |                 |             | -              | _                 | ĩ        |          |
| 38/ 37             |              | ·  |  |                      |                | <del></del> -                                      |  |                |                 |             | <del></del>    |                   | 1        |          |
| 36/ 35             |              |  |  |                      |                |  |  |                |                 |             | _              |                   |          |          |
| 34/ 33             |              |  |  |                      | -              |  | -  |                |                 |             |                |                   |          | _        |
| OTAL               | 7.942.12     | 4.415.2  | 7.3 2  | .4 .6                |                |  | <u> </u>   |                |                 |             |                | 164               |          | 16       |
|                    |              |  | <del>_</del>                                     | . – –                |                |  |  |                |                 |             | 164            |                   | 164      |          |
|                    | <u>:</u>     |  |  | ::                   |                |  |  |                |                 |             |                |                   |          |          |
|                    | 3            | -  | İ  | : 1                  |                |  | : .  |                |                 |             |                |                   |          |          |
|                    |              | <u>i</u>   |  |                      | <del></del>    | · <del>i · · · · · · · · · · · · · · · · · ·</del> | <del></del>                                      |                | <del>;-</del> - |             |                |                   |          |          |
| :                  | . :          | !  |  |                      | 1              | · .  | :  |                |                 |             |                |                   |          |          |
|                    | ii           |  | <b>├</b> ─                                       | <del></del> :        | :              | <del></del>  | <del>-                                    </del> |                | <del></del>     |             |                |                   |          |          |
|                    |              | !  |  | i i                  | -              | : .  | :  | *              |                 |             |                |                   |          |          |
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|                    | -            | į  |  | i                    | į              |  |  |                |                 |             |                |                   |          |          |
|                    | <del></del>  |  | <del>! - ! -</del>                               | <del></del>          | <del></del>    | <del>+</del>                                       | <del></del>                                      | <del>i</del> - | <del>!</del>    |             | <del></del>    | <u>-</u>          |          |          |
| ļ                  |              | ļ  |  |                      |                | 1 :  |  | *              |                 |             |                |                   |          |          |
| Element (X)        | ±x²          | <del>-                                    </del> | Z <sub>X</sub>                                   | <del>- ' z - '</del> | **             | No. Obs.   | <del></del>                                      | <u> </u>       | Meen No. o      | f Hours wit | h Temperatu    | ıre               |          |          |
| Rel. Hum.          | 1137         | <del></del>                                      | 13520  |                      | 11.757         | 164  | ±0F  | : 32 F         | ≥ 67 F          | ≠ 73 F      | → 60 F         | • 93 F            | 1 T.     | otal     |
| Dry Bulb           | 532          |  | 9287   |                      | 6.490          | 164  | <del> </del>                                     | 1              | 5.5             |             |                | 1                 |          | •        |
| Wer Bulb           |              | 979  | 8783   |                      | 5,316          | 154  | $\overline{}$                                    | <del></del>    |                 |             |                | 1                 | -        |          |
|                    |              |  |  |                      |                |  |  |                |                 |             |                |                   |          | 9        |

## PSYCHROMETRIC SUMMARY

\$4199 SIEGENBURG GERMANY GUNNERY RANGE 68+70 ÀÃ, FAGE 1 0900-1100

| :e-s           |                           | v 6           | " JLB TEMPERATUR  | E DEPRESSION   | £            |              |           |             | -3-4F               |                   |                      |      |
|----------------|---------------------------|---------------|-------------------|----------------|--------------|--------------|-----------|-------------|---------------------|-------------------|----------------------|------|
| ·F             | 0 1-2 3-4 5-              | 5 7 - 8 9 - * | 12 13 - 14 15 - 1 | 6_17 - 18_19 = | 27 22 23     | 24 25 25     |           | 30 • 3 - 3  | 8 * 8 ;             | B ·               | ·                    | . F: |
| 8C/ 79         |                           |               | 1,2<br>,{ 4.8     |                | • . •        | •            | _         |             | 2                   | 2                 |                      |      |
| 78/ 77         |                           |               |                   |                |              |              |           |             | 9                   | 9                 |                      |      |
| 76/ 75         |                           | 3,            | 03,6.6            |                |              |              |           |             | 11                  | 11                |                      |      |
| 74/ 73         |                           |               | 0 2.4.            |                |              |              |           | _           | 1 <u>5</u> .        | 15.               |                      |      |
| 72/ 71         |                           | 1.2 2,        | 4 1,2 .6          |                |              |              |           |             |                     |                   |                      |      |
| 70/ 69         |                           | 2,4.2,        |                   |                |              |              |           | -           | 11-                 | 11.               | ¥.                   |      |
| 68/ 67         |                           | 0 4 0 1 2     | 8 .6 .6           |                |              |              |           |             | 13                  | 13                | 2                    |      |
| 66/ 65         |                           |               | 6 . 6.            | <del></del>    |              |              |           |             | 3-                  | 2 3 3 5           | 27<br>14<br>21<br>15 |      |
| 64/ 63         | * 9 * 9i<br>* 9 * 7 *     | 8 2 4         | 1.2               |                |              |              |           |             | 7                   | 7<br>£            | 2,                   |      |
| 60/ 59         | 3.0 4.8 3.                |               | 1.2               | <del></del>    |              |              |           |             |                     | <del></del>       | 3.                   | 1    |
| 58/ 57         | 1,2,4,6,1,                |               |                   | •              | •            |              |           |             | 13                  | 12                | 18                   |      |
| 36/ 55         |                           | 2 .6 1.       | <del>2</del>      |                |              |              |           | • -         | +7                  | - <del>13</del> - | +6-                  | ÷    |
| 54/ 53         |                           | 61            | Ao:               |                |              |              |           |             | Ġ                   |                   | 15                   |      |
| 52/ 51         |                           | 6             |                   |                |              |              |           |             | 21<br>13<br>11<br>9 |                   | 12                   |      |
| 50/ 49         | 1.8 4.86                  |               |                   |                |              |              |           |             | 12                  | 12                | 14                   |      |
| 48/ 47         |                           |               |                   |                |              |              |           |             | _ <del></del>       | ==-               | 13<br>14<br>12       | -    |
| 46/ 45         | 1.2                       |               |                   |                |              |              |           |             | 2                   | 2                 | 4                    |      |
| 44/ 43         | , 6                       |               |                   |                |              |              |           |             | 1                   | 1                 | _ <u>T</u>           |      |
| 42/ 41         |                           |               |                   |                |              |              |           |             |                     |                   | _                    |      |
| 38/ 37         | ,                         |               |                   |                |              |              | -         | -           |                     | _                 |                      | _    |
| CTAL           | 4.215.716.310.            | 214.518.      | 712.0 8.4.        |                |              |              |           |             |                     | 166               |                      | . 1  |
|                |                           | ·             |                   |                |              |              |           |             | 165                 |                   | 166                  |      |
|                | <del></del>               | ·-            |                   |                |              |              |           |             |                     |                   |                      |      |
| :              |                           |               |                   |                |              |              |           |             |                     |                   |                      |      |
| <del></del> -i |                           | <del></del>   | <del></del>       |                | <del></del>  |              |           |             |                     |                   |                      |      |
|                |                           |               |                   |                |              |              |           |             |                     |                   |                      |      |
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|                | _                         |               |                   |                |              |              |           |             |                     |                   |                      |      |
|                |                           |               |                   |                |              |              |           |             |                     |                   |                      |      |
|                |                           |               |                   |                |              |              |           |             |                     |                   |                      |      |
|                | }                         | •             |                   |                |              |              |           |             |                     |                   |                      |      |
| <u> </u>       | Zx                        | Ex i          | <del></del>       | <del></del>    | <del>,</del> | <del></del>  |           | <del></del> |                     |                   |                      |      |
| Element (X) {  |                           | 11233         | Z                 | No. Obs.       | 1            | : 32 F       | Mem No of | + 73 F      | * 80 F              | , 93 F            | <del></del>          |      |
| Dry Bulb       | 804761<br>683 <b>49</b> 7 | 10551         | 67,716,448        | 166<br>166     | 1            | : 34 5       | 38.0      | 20.1        | * 5- 7              |                   |                      | **=1 |
| Wet Bulb       | 541289                    | 9491          | 50,8 5,763        | 1.66           | <u>!</u>     | <del>:</del> | 1.1       |             |                     |                   |                      |      |
| Dew Point      | 450921                    | 8605          | 51.8 5.428        | 166            | <del> </del> | <del>:</del> | ***       |             |                     |                   |                      |      |
|                | .,,,,,,,                  |               |                   |                | <u></u>      | <del></del>  |           |             |                     |                   |                      |      |

SIEGENBURG GERMANY GUNNERY RANGE 68-70

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| ·                | WET BULB TEMPERATURE DEPRESSION >  |                    | -5-4-         |                   | -;-A.            |            |
|------------------|--|--------------------|---------------|-------------------|------------------|------------|
| <u> </u>         | <u>ា ខេត្ត ខេត្ត ខេត្ត ខេត្ត ខេត្ត ខេត្ត ខេត្ត ខេត្ត ខេត្ត ខេត្ត</u>   | 18_28 27 ×2        | ; = ¥ = ;     | :-• ≛. <u>-</u> • | • F. • *         | •• ÷       |
| 86/ 85           | •5   |                    | 1             | 1                 |                  |            |
| 84/ 83           | 16 1, 6 1, 6   |                    |               | 10                |                  |            |
| 82/ 61           | 1,8 3,5 1,2  |                    | 17            |                   |                  |            |
| 8¢/ 79           | 5 1.2  | _                  | ģ             | 25                |                  |            |
| 78/ 77           | ,6 8,5 5.1   |                    | 25            | 25                |                  |            |
| 76/ 75           | .6 5.5 1.8   |                    | 13            | 13                |                  |            |
| 74/ 73           | .6 ,6 1,2<br>.6 1,2 3,3 1,5  |                    | - 4           | . 4               |                  |            |
| 72/ 71           |  |                    | <u>. 11</u> . | 11.               | -                |            |
| 70/ 69           | 5,5  |                    | 9             | 9                 | 1                |            |
| 68/ 67           |  |                    | - 4           | <del>-</del>      | 35               |            |
| 66/ 65<br>64/ 63 | 10 20 20 20 20 20 20 20 20 20 20 20 20 20  |                    |               |                   | 33<br>1 <b>7</b> |            |
| 02/ 61           |  |                    | . 42.         | 12.               | 17               |            |
| 6C/ 39           | 1.2 3.0 2,4 .5 1,8<br>.6 1.8 .6 1.2 1.2  |                    | 12            | 2.0               | 12               |            |
| 58/ 57           | 15 15 214  | -                  | 15.           | 1519 046          | 18<br>12<br>20   | ž          |
| 56/ 55           | 1.8 .6 .6  |                    | 5             |                   | 20               | 5          |
| 54/ 53           | ,6 1,2 1,6 1,2   |                    |               | 5.00              | ÷ž.              | <u>2</u>   |
| 52/ 51           | 1.8  |                    | 3             | 3                 | 16               | î          |
| 3C/ 49           | ,6 1.2   |                    |               | 3                 | 15               | 3          |
| 45/ 47           | .6 1.2   |                    | 3             |                   |                  | - m - 1    |
| 46/ 45           | 1.2  |                    | 3-            | 3.                | 322              | -          |
| 44/ 43           | , 6:   |                    | 1             | 1_                | 2                |            |
| 42/ 41           |  |                    |               |                   | 1                |            |
| 40/ 39           |  |                    | <b>.</b>      |                   |                  |            |
| 38/ 37           |  |                    |               |                   |                  | <u>.</u> . |
| DTAL             | 1.811.5 7.311.514.5 6.120.015.2 9.1 3.6  |                    |               | 165               |                  | <u>1</u> 6 |
|                  |  |                    | 155           |                   | 155              |            |
|                  | <del></del>  |                    |               |                   |                  |            |
|                  |  |                    |               |                   |                  |            |
|                  |  | <del></del>        |               |                   |                  |            |
|                  |  |                    |               |                   |                  |            |
|                  |  |                    |               |                   | •                | -          |
| ierest (X)       | $\Sigma_{\chi^2}$ $\Sigma_{\chi}$ $\bar{\chi}$ $\sigma_{\chi}$ No. Obs. Her  | as No. of House or | n '           |                   |                  |            |
| Cel Ham          |  | 67 F - 73 F        | • 50 F        | , :) [            | •                |            |
| D-y 8+15         |  | 8.0 34.9           |               |                   |                  | _5         |
| Wer Bulb         | 375711  9691  36,7  6,308  165   | 4.9                |               |                   |                  |            |
| De- Perst        | 455802 8620 5242 5.776 165   | <del></del>        |               |                   |                  | 9          |
|                  | THE THE PARTY OF T |                    |               |                   |                  |            |

## PSYCHROMETRIC SUMMARY

34199 SIEGENBURG GERMANY GUNNERY RANGE 68-70

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| Tem             | p.       |                |               |              |                  |          |                |                     |                |          | DEPRE    |      |     |         |              |  |          |              | TOTAL        |                | TOTAL         |                                       |
|-----------------|----------|----------------|---------------|--------------|------------------|----------|----------------|---------------------|----------------|----------|----------|------|-----|---------|--------------|--|----------|--------------|--------------|----------------|---------------|---------------------------------------|
| (F              |          | 0              | 1 - 2         | 3 - 4        | 5 - 6            | 7 · 8    |                |                     |                |          |          |      |     | 23 - 24 | 25 - 26      | 27 28  | 29 - 30  | 31           | 5.8. ⊁ 8     | D-y Buit       | #e · Bu t     | Dew Post                              |
| 86/             | 85<br>83 |                |               |              |                  |          |                |                     |                | 1.8      | 1.8      | , 9  |     |         | ',           | • •  |          | •            | <br>2<br>5   | 2 5            | - •           |                                       |
| 82/             | 81       |                |               |              |                  |          | :              |                     | 6 . 4          | 2,7      | 1.8      |      |     |         |              |  |          |              | 6<br>8       | 6              |               |                                       |
| 78/<br>76/      | 77<br>75 |                |               |              | :                | 1.8      | 2.7            | 5,5                 | 7.3            | 1.8      | . 9      |      |     |         |              |  |          | •            | 16<br>11     | 8.<br>16<br>11 | •             |                                       |
| 74/72/          | 73<br>71 |                | <del>!</del>  |              | :                |          | . 9            | 2.7                 | 1,8            | 1,8      | )<br>    |      |     |         |              |  |          | •            | 6            | 6              | •             |                                       |
| 70/<br>68/      | 69       |                |               |              |                  | 3,6      |                |                     | , 9            |          |          |      |     |         | •            | ;  |          | <del>-</del> | 4:           | 4              |               |                                       |
| 56/             | 65<br>63 |                |               | 1.8          | 2.7              | 2:7      | 1,8            |                     | •              |          |          |      |     |         | <u> </u>     |  |          |              | 12           | 12             | 24<br>11<br>9 | •                                     |
| 62/             | 61       |                | .9            |              | 1.8              | 2,7      | 1,8            |                     |                |          | ·        |      |     |         | <del>,</del> |  |          |              | 11           | 11             | 12            | · · · · · · · · · · · · · · · · · · · |
| 387<br>[:-/     | 57<br>55 |                | 1.8           | 1.8          | 1.8              |          | 1.8            |                     |                |          | :        |      |     |         | ·            | 1  |          | 1            | 6:           | 6              | 12<br>9:      | 20                                    |
| 54/<br>52/      | 53<br>51 |                |               | 1.0          | <del> </del><br> |          |                |                     |                |          |          |      |     |         | <br>         | :  |          |              | 2            | 2              | 12            |                                       |
| 90/<br>48/      | 49       |                | .9            |              |                  |          |                |                     |                |          |          |      |     |         |              | 1  |          | !            | 1            | 1              | 7<br>3<br>3   | 1                                     |
| 46/             | 45       |                | .9            |              |                  |          | _              |                     |                |          |          |      |     |         |              | 1  | ;        | :            | ,            | 1              | 1             |                                       |
| 42/             | 41       |                | 1,9           |              |                  |          |                |                     | -              |          |          |      |     |         |              | <del> </del>                                     | <u> </u> |              | i            | 1              | ī             |                                       |
| 38/<br>OTA      | 37       |                | 3.5           | 10.0         | 9.1              | 11.8     | 12.7           | 12.7                | 20:0           | 10.9     | 6.4      | .9   |     |         |              |  |          | 1            |              | 110            |               | 11                                    |
|                 | -        |                |               |              | ' : •            |          |                |                     |                |          |          |      |     |         |              |  |          |              | 110          | 1              | 110           |                                       |
|                 |          |                |               |              |                  |          |                |                     |                |          | -        |      |     |         |              |  |          |              |              |                |               |                                       |
|                 |          |                |               |              |                  |          |                |                     |                |          |          |      |     |         |              |  |          |              |              |                |               |                                       |
| <del></del> _   |          |                | <u> </u>      |              |                  | <u> </u> |                | <u> </u>            |                | <u> </u> | <u> </u> |      |     |         | <u> </u>     | <u> </u>   | <u> </u> |              |              |                |               |                                       |
| Eleme<br>Rel. H |          | <del> </del> - | Σχ'           | 8411         |                  | Σχ       | <del></del>  - | <u>X</u><br>≅ or' o | σ <sub>χ</sub> |          | No. 01   |      |     | - 1     | - 20 5       |  |          |              | h Temperat   |                | <del></del> ; | fotal                                 |
|                 |          | ├              | 30            | 8611         | <del> </del>     | 61<br>76 | 71             | 55,8                | 1503           | 10       | ∳        | 10   | ≤ 0 | -       | ≤ 32 F       | ≥ 67   |          | ≥ 73 F       | 2 80 F       | + 93 F         | <del> </del>  |                                       |
| Dry B           |          | ├~─            | <del>24</del> | 4570         | <del> </del>     |          |                | 69,7                |                |          |          | 10   |     |         |              | 1 2  | •0       | 44.2         | 13.          | <u>'</u>       |               | 9(                                    |
|                 |          | <b> </b>       | 54            | 3610<br>3722 | <del>1</del>     | 65       | 42             | 59,5                | 6:1            | VO       | <u></u>  | 10   | —-  | -       |              | <del>                                     </del> | .4       |              | <del> </del> | <b>⊹</b> -     | <del>-</del>  | 90                                    |
| Dew P           | DINT     | •              | 3 (           | 13166        | .1               | 27       | 761            | 32.2                | 10.0           | 3 U!     | Ä        | TO I |     |         |              | 1  |          |              | *            | j              |               | 7                                     |

FORM 0.26-5 (OL A) REVISE MEYICUS EDITIONS OF THIS FORM ARE OUSON

USAFETAC FORM 0.26-5 (OLA)

## PSYCHROMETRIC SUMMARY

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0600+0800 PAGE 1

| Temp             |      |        |       |       |                | WET  | BULB 1   | EMPERA         | TURE   | DEPRESSION                                       | (F)  |              |                |             | TOTAL             |                  | OTAL            |             |
|------------------|------|--------|-------|-------|----------------|--|--|----------------|--------|--|--|--------------|----------------|-------------|-------------------|------------------|-----------------|-------------|
| (F)              | 0    | 1 . 2  | 3 - 4 | 5 - 6 | 7 - 8          | 9 - 10                                       | 11 - 12  | 13 - 14 1      | 5 - 16 | 17 - 18 19 2                                     | 0 21 - 22 23                                     | 24 25 - 26   | 27 28 29       | 30 23       | ⊃ B. ≽ B          | Dry BLE W        | •• Bu₁⊦ૃE       | e= Po       |
| 76/ 75           |      |        |       | o 5   |                | 1.1  | 3  |                |        |  |  |              |                |             | 1 3               | 1 3              |                 |             |
| 70/ 69           |      | . 5    | 2.7   |       | 2.1            |  | . , 5  |                |        |  |  |              |                |             | 10<br>12          | 10               | 3               | 1           |
| 66/ 65           | 1.31 | 4.3    | 1.1   |       | 1.6            |  | <u></u>  | ·——·—•         |        | i  |  | ••••         |                | <b>*</b>    | <del></del>       | 7                | 10              | 2           |
| 62/ 61           |      | 4.3    | 1.0   | 1.1   | , 5            |  | •  |                |        |  | - <del></del>                                    |              | ·              |             | - <u>17</u><br>13 | 19               | 19              | ð           |
| 58/ 57<br>96/ 55 | 3.2  | 7.4    | 2.7   | 1.1   |                |  | <u> </u>   | <del></del>    |        | •  |  |              |                |             | 27                | 13.<br>27        | 25              | 20          |
| 54/ 53           | 3.7  |        | 2.1   |       |                |  |  |                |        | !  |  |              | <del></del>    |             | 18<br>24          | 18<br>24         | 28              | 26<br>25    |
| 30/ 49           | 2.7  |        |       |       |                |  | :  |                |        |  | +  |              | ·              |             | 24                | - 24             | 15              | 32          |
| 48/ 47           | 1.1  | 1.6    |       |       |                | •  |  |                |        |  |  |              |                |             | 3                 | <del>-</del>     | - <del>17</del> | 15          |
| 44/ 43           |      | / o == | 22.4  | 0 0   | E 0            |  |  |                |        | <del>                                     </del> |  |              |                |             |                   |                  | 3.              | 4           |
| JATC*            | 17.0 | 71.0   | 69.4  | 4.0   | 2.7            | 1.0  | 1.1  |                |        | <del>:  </del><br>                               |  |              | - <del></del>  |             | 188               | 188              | 188:            | 188         |
|                  |      |        |       |       |                |  |  |                |        |  |  | <del></del>  |                |             | 1 1               |                  |                 |             |
|                  |      |        |       |       |                |  |  |                |        |  |  |              |                | 1           |                   |                  |                 | <del></del> |
|                  |      |        |       |       |                |  |  |                |        |  |  |              | <del></del>    |             | ,                 | v. —             |                 |             |
|                  |      |        |       |       |                |  | <del>                                     </del> |                |        |  | 1  |              |                |             | •                 |                  |                 |             |
|                  |      |        |       |       |                | <br>   | <del> </del>                                     |                |        |  |  |              | <del>  -</del> | ,           | <del></del> ,     |                  |                 |             |
|                  |      |        |       |       |                |  |  |                |        |  |  | _            | +              | 1           | <del></del> !     | i                |                 |             |
|                  |      |        |       |       |                |  |  |                |        |  | 1  |              |                | :           | : :               | ;                | )               |             |
| Element (X)      |      | ₹ZX²   |       |       | ž <sub>X</sub> | <u>'                                    </u> | <u> </u>   | O <sub>X</sub> |        | No. Obs.   | <del>' '-</del>                                  | <del>-</del> | Mean No.       | of Hours wi | to Temperat       | ure              |                 |             |
| Rel. Hum.        |      |        | 0115  |       | 160            | 25   |  | 11,36          | 5      | 188  | ±0F  | = 32 F       | ≥6" F          |             | ≥ 80 F            | ; = 93 F         | Т               | otal        |
| Dry Bulb         |      |        | 2760  |       | 109            |  | 58.1   | 6,5            | 7      | 188  | 7  | T            | 12.9           |             |                   | - <del> </del> - | 1               | 93          |
| Wet Bulb         |      |        | 4045  |       | 104            |  | 35.3   | 5,5            | 18     | 188  | <del>                                     </del> | <del> </del> | 1.5            |             | <del>-</del> :    | - <del> </del>   | -;              | 93          |
| Dew Point        |      |        | 2845  |       | 100            |  | 53.5   |                |        | 188  | <del> </del>                                     |              |                |             |                   | <del></del>      | -               | 93          |

USAFETAC FORM 0.26-5 (OLA) RIVISEO MINOUS EGRICOMS OF THIS FORM ALL CINCOLLE

#### PSYCHROMETRIC SUMMARY

34199 SIEGENBURG GERMANY GUNNERY RANGE 68-70

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Temp (F) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 28 29 30 - 3' 38 WB. Or. B. E 1-2 3-4 5-6 86/ 85 84/ 83 82/ 81 . 5. .5 1.0 1.5 .5 .5 1.0 2.1 2.6 3.6 1.0 2.1 .5 2.6 2.1 .1 2.1 .5 4.1 1.5 .0 .5 1.0 1.0 .5 .5 1.0 1.5 2.1 .0 2.1 .5 8C/ 79 78/ 77 76/ 73 74/ 73 72/ 71 21 14 20 20 1.0 8 70/ 69 68/ 67 1.0 1.0 1.0 1.5 1.5 1.5 1.5 1.5 2.1 5.1 1.6 2.6 1.5 2.1 3.1 2.6 3.1 3.1 3.1 3.1 3.1 3.1 1.0 1.0 1.0 1.5 2.1 2.6 2.1 1.5 66/ 65 11 11 6 64/ 63 62/ 61 60/ 59 58/ 57 56/ 55 20 28 27 16 13 15 153189021291 14 . 5 : 54/ 53 52/ 51 50/ 49 48/ 47 6 6 2 , 5 46/ 45 13 44/ 43 2 2.121.512.315.414.4 8.713.810.3 1.5 TOTAL <u> 195</u> 195 Meen No. of Hours with Temperature Element (X) No. Obs. ₹ 13412 12933 11624 68.816.129 66.3 9.073 59.6 6.154 55.0 5.937 195 195 195 195 972938 873725 700256 ± 32 F Dry Buls 93 45.3 31.5 5.2 Wet Bulb 14.3 93 93 Dew Point 595944 10718

USAFETAC FORM 0.26-5 (OLA) HINVERHINGUS IDHIGHS OF HIS FORM ALL DISOURTE

## PSYCHROMETRIC SUMMARY

| 5"A" ON              |                 |               |              | •  | ATION NA       | .ME    |  |                |              |                |                |       |             | ••            | A×5        |          |              | PAGE  | 1                  | پار<br><u>- 12</u> 90 |          |
|----------------------|-----------------|---------------|--------------|--|----------------|--------|--|----------------|--------------|----------------|----------------|-------|-------------|---------------|------------|----------|--------------|---|--------------------|-----------------------|----------|
|                      |                 |               |              |  |                |        |  |                |              |                |                |       |             |               |            |          |              | - 402   |                    | A. 85                 | <u> </u> |
| Temp<br>(F)          |                 | 1 . 2         | 3 - 4        | <del></del>                                      | ,,             |        |  |                |              | DEPRE          |                |       |             |               |            | 9 35 -   |              | TAL   | ٠                  | TOTAL                 |          |
| 90/ 83               |                 | 1 . 2         | 3 - 4        | 3-6  | 7 - 8          | 9 - 10 | 11 - 12  | . 5            |              |                |                | 21 72 | 23 - 24     | 25 26         | 27         | 30       | . → -        | <u>, , , , , , , , , , , , , , , , , , , </u> | , D. E.            | Met Bu t [            | rew en   |
| 88/ 87               |                 |               |              |  | 4              |        |  |                | 1.1          | i .            | 1,1            |       |             |               |            |          |              | 3   | 7 7                |                       |          |
| 86/ 85               |                 |               |              |  | •              |        |  | 3,2            |              | . 5            |                |       |             |               |            |          |              | 8   | 8                  |                       |          |
| 84/ 83               | <u> </u>        |               |              |  | ·              |        | 1,6  | 1.6            | 2,6          | 1              | 1.1            |       |             |               |            |          |              | 13  | 13.                |                       |          |
| 82/ 81               |                 |               |              |  | اه د م         | ,5     | 1,6  | 2,6            | 2.1          | 1.6            | i              |       |             |               |            |          |              | 16  | 16                 |                       |          |
| 80/ 79<br>79/ 77     |                 |               |              |  | 1 e l          | 2.1    | 1.1  | 2.3            | 3            | . 5            |                |       |             |               |            |          |              | 19  | $-\frac{19}{15}$ . |                       |          |
| 76/ 75               | 3               |               |              |  | . 5            | . 5    |  | 3.7            | 2.1          |                |                | i .   |             |               |            |          |              | 10  | 10                 | 2                     |          |
| 74/ 73               |                 | <del></del>   |              | <del></del>                                      | 1.1            |        |  |                |              |                |                |       |             | <del></del> ; |            |          |              | 10  | io                 | - <u>2</u> -          |          |
| 72/ 71               | . 1             | 1             |              | •  | •••            | * * *  | 1.1  | . 5            | •            |                |                |       |             |               |            |          |              | *3  | 3                  | 16                    |          |
| 70/ 69               | )               | ,             | ,5           | . 5  | 1,6            | 1,1    | , 5  |                |              | 1              |                |       |             |               |            |          |              | 8   | 8                  | 13                    |          |
| 48/ 67               |                 |               | 106          | 1.6  | 2.1            | 1,6    | .5   |                |              |                |                |       |             |               |            |          |              | 14  | 14                 | 17                    |          |
| 66/ 65               |                 | . 5           |              |  | 1,1            |        | . 5  |                |              |                | . ,            |       |             |               |            |          |              | 11  | 11                 | 18                    |          |
| 64/ 62               |                 | 1.6           |              | 3.2  | 2.1            |        |  |                |              |                | <del></del>    |       |             |               |            |          |              | 15  | ) 5                | 24                    |          |
| 60/ 55               |                 | 1.1           |              |  | •••            |        |  |                |              |                |                |       |             |               |            |          |              | 11  | 11                 | 20                    |          |
| 38/ 57               |                 | 1.1           |              |  |                |        | <del>  -</del>                                   |                |              |                | <del></del> -  |       |             |               |            |          |              | 10  | iç                 | 20<br>15              |          |
| 56/ 55               | <u> </u>        | ,             | . 3          |  |                |        | 1  |                |              | 1              |                |       |             |               |            |          |              | 2   | 2.                 | 18                    |          |
| 54/ 53               |                 | 1.1           |              |  |                |        |  |                |              |                |                |       |             |               |            |          |              | 7   | 2                  | 14                    |          |
| 52/ 51               |                 |               |              |  | <del> </del> - |        | <u> </u>   | <u></u>        |              | <del></del>    |                |       |             |               |            |          |              |   |                    |                       |          |
| 50/ 49               |                 | 1.1           | ;            | į  |                |        | 1  | :              | f            | ,              |                |       |             |               |            |          |              | 2   | 2                  | 2.                    |          |
| 40/ 45               |                 |               |              | <del> </del>                                     |                |        | <del> </del>                                     |                | <del></del>  | <del> </del> - |                |       |             |               |            |          |              |   |                    |                       |          |
| 44/ 43               |                 | i             | •<br>}<br>•  |  |                |        |  |                | 1            | ;              | :              |       | <b>.</b>    |               |            |          |              |   |                    |                       |          |
| TOTAL                | Ī               | : 6.8         | 12.5         | 12.1   | 11.1           | 9.5    | 10.0   | 19.5           | 13.2         | 2.6            | 2.6            |       |             |               |            |          |              |   | 13C                |                       | 1        |
|                      |                 | <u> </u>      | ·<br>        | <u> </u>   | <u> </u>       |        | <del> </del>                                     |                | <u> </u>     | 1              | <u> </u>       |       |             | <del></del> ; |            |          |              | 190   |                    | 190                   |          |
|                      | !               |               |              |  |                |        |  |                |              |                |                |       |             |               | İ          |          |              |   |                    |                       |          |
|                      |                 | <del></del> - | <del> </del> | <del>                                     </del> |                |        | <del>                                     </del> | <del></del>    | <del>!</del> | +              | <del> </del> - |       |             | : :           |            |          |              |   |                    |                       |          |
|                      |                 |               |              | <u> </u>   |                |        |  |                | l            |                | !              |       |             | i .           |            |          |              | ,   |                    |                       |          |
|                      | 1               |               |              | ĺ  |                |        | 1  |                | ]            |                | ]              |       |             | ,             |            | ,        |              |   |                    |                       |          |
|                      |                 | +             | <del> </del> | <del> </del>                                     | -              |        | -  | <del> </del> - | <b>├</b>     | <b></b>        | -              |       | <del></del> |               |            |          |              |   |                    |                       |          |
|                      | _               |               |              | İ  |                |        | <u> </u>   |                | _            |                |                |       | <u> </u>    |               |            |          |              |   |                    |                       |          |
| Element (X           | )               | Σχ²           |              |  | Σv             |        | X  | °,             |              | No. O          |                |       |             |               |            | of Hours |              |   |                    |                       |          |
| Rei. Hum.            | ┿               | <u>70</u>     | 6809         | <del> </del>                                     | 111            |        |  | 13.8           |              |                | 80             | = 9   | F :         | 32 F          |            |          | F            | 80 F  | + 93 F             | 7                     | 0,01     |
| Dry Bulb<br>Wet Bulb | <del>- </del> - |               | 6366<br>6910 |  | 136            |        | 62,0   | 9.6            |              |                | 90<br>90       |       |             |               | 60.<br>23. | 45       | • 0:<br>• 4: | 25.5  |                    |                       |          |
| Dew Point            | <del>- </del> - | 13<br>RO      | 3893         | -  | 105            |        | 55.5   |                |              |                | 90             |       |             |               | 4.         | V        | . T          |   |                    |                       |          |

## **PSYCHROMETRIC SUMMARY**

34199 STATES STA يارار 1500-1700

| Temp (F)          |  |  |              | -  | •     |        |              |                 |                 | DEPRE  |     |  | 22 24   |      |             | 0 22   |  | TOTAL      | -             | OTAL<br>· Bu b D |     |
|-------------------|--|--|--------------|--|-------|--------|--------------|-----------------|-----------------|--|-----|--|---------|------|-------------|--------|--|------------|---------------|------------------|-----|
|                   | 0  | 1 - 2  | 3 - 4        | 5 - 6  | 1 . 8 | y + 10 | 11 - 12      | 13 - 14         | 12 - 16         |  |     |  | 23 - 24 |      | 2" _28.2"   | o . 30 |  | 3          | , Jv 0        | . 55 5 6         | r w |
| 94/ 93<br>50/ 89  |  |  |              |  |       |        |              |                 |                 | 2.2  | 1.5 |  |         |      |             |        |  | 5          | <i>3</i><br>5 |                  |     |
| 88/ 87            |  |  |              |  |       |        |              |                 | 2,2             | ,  |     |  |         |      |             | _      |  | 3          | 3             |                  |     |
| 86/ 85            |  |  |              |  |       |        |              | 5.2             |                 | 1.5  | .7  |  |         |      |             |        |  | 11         | 11.           |                  |     |
| 84/ 83            |  |  |              |  |       | , 7    |              | 3,0             | 3,7             | 1.5  | . 7 |  |         |      | ·•          |        |  | 13         | 13            | •                |     |
| 82/ 81            |  |  |              |  |       | 7      | 7 ر          | 2,2             | 5.              | 1.5  |     |  |         |      |             |        |  | <u>16.</u> | 15.           |                  |     |
| 6C/ 79            |  |  |              |  |       | . 7    | 1.5          |                 |                 |  |     |  |         |      |             |        |  |            | . 8           |                  |     |
| 79/ 77            |  |  |              |  |       | 2.2    |              |                 | 3.              | <del></del>                                      |     |  |         |      |             |        |  | 11         | 11.           |                  |     |
| 76/ 75            |  | <u>-</u> '                                       |              |  |       | 1.5    | 1,5          | 2,2             | •               | ' I  |     | ±<br>∓   |         |      |             |        |  | 5          | 8             | 9                |     |
| 74/ 73!<br>72/ 71 |  |  |              |  | 1 E   |        | 102          | 102             |                 |  |     | <del>+</del>                                     |         |      |             |        |  |            | <del></del> - |                  |     |
| 72/ 71<br>70/ 69: |  |  | į            | . 7  | 1,5   | . 7    |              |                 | ļ               |  |     | 1  |         |      |             |        |  | 2          | 2             | • •              |     |
| 68/ 67            |  |  |              | 3.0  |       | 3,0    |              | 37              | <del> </del>    |  |     | <del> </del>                                     |         |      |             |        |  | 15         | 15            | 14               |     |
| 66/ 65            | •  | ì  | 1.5          | 210  | 1,5   | . 7    |              | <i>ا د</i><br>7 | 1               |  |     |  |         |      |             |        |  | • 6        | 6             | 20               |     |
| 647 63            |  |  |              | .7   | 2.2   | 7      | .7           | ₹£              | !               | •  |     | •  |         |      |             |        |  | 6          | 6             | 11               |     |
| 62/ 61            |  | . 7  | , 7          | , 7  | 1.5   | •      |              |                 |                 |  |     |  |         |      |             |        |  | 5          | 5.            | 19               |     |
| 60/ 59            |  |  | 2 . 2        | 1.5  |       |        |              |                 |                 |  |     |  |         |      |             |        |  | 5          | 3             | 7                |     |
| 58/ 57            |  | • 7  | 3.0          | 3,7  |       |        |              |                 |                 | •  |     | <u>:</u>   |         |      |             |        |  | 10         | 10            | 10.              |     |
| 56/ 35            |  | •  | • 7          | ] ;  |       |        |              | 1               | į               | :  |     |  |         |      |             |        |  | 1          | 1.            | 8                |     |
| 54/ 53            |  |  |              |  |       |        | <u> </u>     |                 | <del>:-</del> - | <del></del>                                      |     |  |         |      | ·           |        |  |            |               | 10               |     |
| 52/ 51            |  |  |              |  | ;     |        |              |                 |                 | i  |     |  |         |      |             |        |  |            |               | -                |     |
| 50/ 49<br>48/ 47  |  | <del> !</del>                                    |              |  |       |        | <del> </del> | <u></u> _       | <u> </u>        | <del>  </del>                                    |     | <del>: :</del>                                   |         |      | ·           |        | ·  |            |               |                  | -   |
| 46/ 45            |  |  |              |  |       |        | ĺ            |                 |                 | . !  |     | i i  |         |      |             |        |  |            |               |                  |     |
| 44/ 43            | ļ  | <del>                                     </del> |              | -  |       |        | <del> </del> |                 | <del></del>     | <del>:                                    </del> |     | <del></del>                                      |         |      |             |        |  |            |               |                  | -   |
| 42/ 41            | 1  | ]  |              |  | !     |        | i            |                 | 1               | i '  |     | : i  |         |      |             |        |  |            |               |                  |     |
| GTAL              | <del> </del> -                                   | 1.5  | 8.9          | 10.4   | 11.1  | 11.1   | 5.9          | 17.8            | 20.             | 10.4   | 3.0 | <del>                                     </del> |         |      |             |        |  |            | 135           |                  |     |
|                   | L  | <u> </u>   |              |  |       |        |              |                 |                 |  |     | نــــــــــــــــــــــــــــــــــــــ          |         |      |             |        |  | 135        |               | 135              |     |
|                   | •  |  |              |  |       |        |              |                 |                 |  |     |  |         |      | . i         |        |  |            |               |                  |     |
|                   | <u> </u>   | <u> </u>   |              | <u> </u>   |       |        |              |                 | !               |  |     | <del>!!</del>                                    |         |      |             |        | 4  |            |               |                  |     |
|                   | İ  |  |              |  |       |        |              | ł               |                 |  |     |  | 8       |      | :           |        | :  |            | •             |                  |     |
|                   |  |  |              | <b></b> -  |       |        | <del> </del> | <b></b>         | $\vdash$        | 1  |     |  |         |      | <del></del> |        | <del>:                                    </del> |            | ı             |                  | _   |
| Element (X)       | <del> </del>                                     | Zx2  | L            | <del> </del>                                     | z x   |        | <u> </u>     | •,              | <u>!</u>        | No. Ob   | 5.  |  |         |      | Mean No     | . of H | lours with                                       | Temperatur |               |                  | _   |
| Rel. Hum.         | <del>                                     </del> |  | 0753         | <del>                                     </del> | 730   | 09     | 54.1         |                 |                 |  | 35  | = 0 F  | :   :   | 32 F | ≥ 67 F      |        | 73 F   | ≥ 80 F     | ≥ 93 F        | To               | 10  |
| Dry Bulb          |  | 76   | 0753<br>7099 |  | 100   | 87     | 74.7         | 10,0            | 05              | 1  | 35  |  | Ĭ.      |      | 70.         |        | 56,5   | 39.3       | 2.            |                  | _   |
| Wer Bulb          |  | 34   | 7043         | I  | 85:   | 31     | 63,3         | 6.3             | 169             | 1  | 35  |  |         |      | 30.         |        | 8.3  |            |               |                  | _   |
| Dew Point         | !  | 43   | 1432         |  | 75    | 86     | 56.2         | 6.2             | 02              | 1  | 35  |  |         |      | 4.          | 8      |  | 1          |               | 1                |     |

## **PSYCHROMETRIC SUMMARY**

| 14199<br>STATION | - <u>-</u>                                       | 1000           | TBUNG    | ST          | MANY GL     | MARKI       | NANU   | =      | 68-70          |  |           | AQS  |              |                                       |          | - — 🙏            | 19      |
|------------------|--|----------------|----------|-------------|-------------|-------------|--|--------|----------------|--|-----------|--|--------------|---------------------------------------|----------|------------------|---------|
|                  |  |                |          |             |             |             |  |        |                |  |           |  |              | PAGE                                  | 1        | 0000             | • 0 ē c |
| Temp.            |  |                |          |             |             |             |  |        | DEPRESSION     |  |           |  |              | TOTAL                                 |          | TOTAL            |         |
| (F)              | 0  | 1 - 2          | 3 - 4    | 5 - 6       |             | 0 11 - 12   | 13 - 14 1  | 5 - 16 | 1 - 18 19 - 20 | 21 - 22 2  | 3 24 2 26 | 27 - 28 29 -                                     | 30 + 31      | 05 *8 5                               | Ny Bue   | her Buri         | Dew P   |
| 76/ 75           |  | 1              | 1 .      | ,           | • 6         |             |  |        |                |  |           |  |              | 1                                     | 1        | _                |         |
| 70/ 69           |  |                | 9.6      |             |             |             |  |        |                |  |           |  |              |                                       |          | <u>\</u> .       |         |
| 68/ 67<br>66/ 65 | į.   | ٠,             | 2,6      | <b>.</b> 6! |             |             |  |        |                |  |           |  |              | 0                                     | 6        | ,                |         |
| 64/63            | •  | 2.             |          | <u> </u>    |             |             |  |        |                |  |           |  | •            |                                       | _3.      |                  |         |
| 62/ 61           | 1.   | 1              |          |             | <b>a</b> 61 |             |  |        | ;              | ;  |           |  |              | 16                                    | 16       | 12               |         |
| 50/ 59           | 1,   |                |          | 7.1         |             |             |  |        |                |  |           |  | •            | 12                                    | 12       | $-\frac{12}{12}$ | -       |
| 58/ 57           | 6.   |                | .1 . ~   | 1.1         | . 6         |             |  |        | į              |  |           |  |              | 34                                    | 34       | 27               |         |
| 56/ 55           | 5,   |                |          | ,           |             |             |  |        | _              | <del>;                                    </del> |           |  |              | 2.5                                   | 25       | 28               |         |
| 54/ 53           | 1  | 7 6.           |          | 1           | ;           |             | 1  |        | l              | : 1  |           |  |              | 18                                    | 18       | 24               | -       |
| 52/ 51           | 3,   |                | 7 3.3    |             |             |             |  |        |                |  |           |  |              | 16                                    | 16       | 16               | _       |
| 50/ 49           | 4.   | 4 7.           |          |             |             |             |  |        | ;<br>          |  |           |  |              | 23                                    | 23       | 23               | _       |
| 48/ 47           |  |                | 1 .6     |             |             | ŧ           | :  |        |                |  |           |  |              | 5                                     | 6        | 15               |         |
| 45/ 45           |  | 6 1.           |          |             |             |             |  |        |                | ·  |           |  |              | 4.                                    | 4        | 3.               |         |
| 44/ 43           | 1 -  | 6 1.           |          |             |             | :           |  |        | i              |  |           |  |              | 3                                     | 3        | 3                |         |
| 42/ 41           |  | 6 1.           | 1        |             |             | _ <u>i</u>  |  |        | <u> </u>       | <del></del> -                                    |           |  |              | 3.                                    | 3        |                  |         |
| 40/ 39<br>38/ 37 |  | ۷              |          |             |             | 1           |  | •      | •              | 1  | ļ         |  |              | 1                                     |          | 2                |         |
| 36/ 35           |  | <del>-;</del>  |          |             |             | <del></del> | <u> </u>   |        | <del></del>    | <del></del>                                      |           |  |              |                                       |          | <del>-</del> -   |         |
| OTAL             |  | 865            | 021.7    | 2.0         | 1.7         |             |  |        |                | 1  | ,         | 1  |              |                                       | 180      |                  | 1       |
|                  |  | -              | <u> </u> |             |             | <del></del> | li   |        | <del></del>    | $\dot{1}$  |           | <del></del>                                      |              | 180                                   | •        | 180              |         |
|                  |  |                |          |             |             |             |  |        |                |  | !         | 1  |              |                                       |          | - • -            |         |
|                  | ï  |                |          |             |             | <u> </u>    |  |        |                |  |           |  |              | <del></del> -                         |          |                  |         |
|                  |  |                |          |             |             |             |  |        |                |  |           | <u> </u>   |              |                                       |          |                  |         |
|                  |  | j              | 1        |             |             |             | iį   |        |                | 1  |           |  |              |                                       |          |                  |         |
|                  | <u> </u>   | _              | -        |             |             | <b>_</b>    |  |        |                | <del> </del>                                     |           |  |              | · · · · · · · · · · · · · · · · · · · |          |                  |         |
|                  | ĺ  |                |          |             |             |             |  |        |                | 1 1  |           |  | ;            | •                                     |          |                  |         |
|                  | -  |                |          |             |             |             | <del>                                     </del> |        | <del></del>    | <del>                                     </del> |           | <del>  -</del> -                                 |              | •                                     |          |                  |         |
|                  | ļ  | 1              |          |             |             |             |  |        |                |  |           |  | 1            |                                       |          |                  |         |
|                  | <del>                                     </del> | +-             |          |             |             |             |  |        | <del></del>    | <del> </del> -                                   |           | <del>                                     </del> | <del></del>  | <del></del>                           |          |                  |         |
|                  |  |                | 1        |             |             |             |  |        |                | 1 !  |           |  |              | 1                                     |          |                  |         |
|                  | 1  | - <del> </del> | $\perp$  |             |             |             |  |        |                | <del>                                     </del> |           |  | <del></del>  | <del> </del>                          |          | <del>`</del>     |         |
|                  |  | 1              | 1        |             |             |             |  |        |                |  | !         |  | İ            | i<br>                                 |          |                  |         |
| Element (X)      |  | Σχ¹            |          |             | Σχ          | X           | ₹,   |        | No. Obs.       |  |           | Mean No.   | f Hours with | h Temperatu                           | re       |                  |         |
| Rel. Hum.        |  |                | 74821    |             | 16211       |             | 9,10   |        | 180            | ±0F  | ± 32 F    | ≥ 67 F   | ≥ 73 F       | ≥ 80 F                                | 2 93 F   | 1                | otel    |
| Dry Bulb         |  |                | <u> </u> |             | 9983        | 55,5        |  |        | 180            |  |           | 4.1  | . 5          | <u></u>                               | <u> </u> |                  |         |
| Wet Bulb         | <del> </del>                                     | 5              | 26958    | <u> </u>    | 9688        |             | 5,5  |        | 180            | <u> </u>   | _         | .5   | <u></u>      |                                       | <u> </u> | _:               |         |
| Dew Point        | <u> </u>   | 5              | 01756    |             | 9448        | 52.5        | 5.71   | . 2    | 180            | <u> </u>   |           |  |              | 1                                     | l        | _ !              |         |

## PSYCHROMETRIC SUMMARY

34199 SIEGENBURG GERMANY GUNNERY RANGE 68+70 AUG
PAGE 1 0900-1100

| Temp        |                 |                   |                |  | E DEPRESSION    |   | * *                                   | TOTAL                          | TOTAL                       |
|-------------|-----------------|-------------------|----------------|--|-----------------|---|---------------------------------------|--------------------------------|-----------------------------|
| (F)         | 0 1.2 3         | -4 5-6 7-8        | 9 - 10 11 - 12 |  | 17 - 18 17 - 23 | 21 22 23 - 24 25 - 26                         | 21 - 22 29 30 2 31                    | 3 8. 7.8 D. 8. 6.              | Yer Bu s Dew Polis          |
| 82/81       |                 |                   | ,              | 46   |                 |   |                                       |                                |                             |
| 78/ 77      |                 | 2,2               | 1,1            | <u>, 6;</u>                                |                 | <del></del>                                   | ***                                   |                                |                             |
| 76/ 73      |                 | 1 1               | 1              | 1.1  |                 |   |                                       | 4 4                            |                             |
| 74/ 73      |                 | 361 ,6            |                | <u></u>                                    |                 | <del></del>                                   |                                       | · -===                         | · - • -                     |
| 72/ 73      |                 | 1.7 3.3           |                |  |                 |   |                                       | 12 12                          | 3                           |
| 70/ 69      | , 61 1          | 7 1.7 2.2         | 1.1            |  |                 | •   | ••                                    | $\frac{12}{3}$ $\frac{12}{13}$ | <del>3</del>                |
| 68/ 67      | . 5 I           | 7 1.1 1.7         | 0              |  | i               |   |                                       | 10 10                          | 6 5                         |
| 66/ 65      | 2               | 8 3.3 1.1         | , 6            |  |                 |   | <del>*</del>                          | 14 14                          | $-\frac{6}{12}-\frac{5}{4}$ |
| 64/ 63      | . 4.4 2         | .2 3.3 2.2        | 1.1 .6         | ı ì  | 1               |   |                                       | 25 25                          | 19 8                        |
| 62/ 61      | 1.1 3.9 1       | . 07 1 97 1 9 1   |                |  |                 |   |                                       | 17 17                          | 30 12                       |
| 60/ 59      |                 | 2 1.7             | ) <u> </u>     | <u> </u>                                   |                 | <u>i i                                   </u> |                                       | 21 21                          | 29 34<br>27 23              |
| 58/ 57      | 4.4 5.0         | ,6 1,7            |                |  |                 |   |                                       | 21 21                          | 27 23<br>17 26              |
| 56/ 55      | .6. 3.9: 1      |                   |                |  |                 |   | •                                     | 11 11                          | 17 26                       |
| 54/ 33      | 1.1             | • 6i              | !              | 4  |                 |   |                                       | 3 3                            | 17 31<br>6 10               |
| 52/ 51      |                 | 1.                | <del></del>    |  |                 | <del></del>                                   |                                       | 33                             | _ 6 10                      |
| 30/ 49      | 1.7             | . 6               |                | •  |                 |   |                                       | 4 4                            | 3 8                         |
| 48/ 47      | 1.1.            | , 6               |                | <del></del>                                |                 | <del> </del>                                  |                                       | 33_                            | - 3 3                       |
| 46/ 45      |                 | •                 | •              | +  |                 |   |                                       |                                | <i>3</i>                    |
| 42/ 41      |                 |                   | <del></del>    | <del></del>                                | •               | <del></del>                                   |                                       |                                |                             |
| TOTAL       | 9.426.516       | 6 5 17 . 1 17 . 7 | 6.6 3.9        | 2.2  |                 |   |                                       | 181                            | _ 181                       |
|             |                 |                   | . 4.00 - 5.7   | 1  | <del></del>     |   | · · · · · · · · · · · · · · · · · · · | 181                            | 181                         |
| :           |                 |                   |                | ,  | ,               |   |                                       | •••                            |                             |
| ;           |                 |                   | :              |  |                 | · · · · · · · · · · · · · · · · · · ·         |                                       |                                |                             |
| !           | :               |                   | 1 1            | 1<br>• • • • • • • • • • • • • • • • • • • | _               | ·   |                                       |                                |                             |
|             |                 |                   |                | : :  | ;               |   |                                       |                                |                             |
|             |                 |                   |                |  |                 | <u>ii</u>                                     |                                       |                                |                             |
| 1           | 1               | a                 | •              | 1  | 1               | 1 :   |                                       |                                |                             |
| <u> </u>    |                 |                   | <del></del>    | <u> </u>                                   | <del></del>     | ·   | <del> </del>                          |                                |                             |
| !           | . !             |                   |                |  | 1               | 1   |                                       |                                |                             |
| <u> </u>    | <del>  -</del>  | <del></del>       | <del>  </del>  | <del>!</del>                               | <del></del>     |   |                                       |                                |                             |
|             | 4               |                   |                |  | '               |   | •                                     |                                |                             |
| Element (X) | Z <sub>X²</sub> | ZX                | ·   X          | 7,   | No. Obs.        | <del>'</del>                                  | Mean No. of Hours wit                 | 5 Temperature                  | <del></del>                 |
| Rel. Hum.   | 1105            |                   |                | 14.755                                     | 181             | 10F 132F                                      | 267 F 273 F                           | ≥ 80 F → 93 F                  | Taral                       |
| Dry Bulb    | 7456            |                   |                |  | 181             |   | 30.3 12.3                             |                                | 93                          |
| Wer Bulb    | 637             | 101               | 700 59.1       | 5.283                                      | 181             |   | 7,2                                   |                                | 93                          |
| Dew Point   | 5692            | 46 10             | 04 55.8        | 5.379                                      | 181             | 1   | 2.6                                   |                                | \$3                         |

USAFETAC FORM 0.26-5 (OLA) RIVISIO MENOUS EDITIONS OF INIS FORM ARE OBSORES

## PSYCHROMETRIC SUMMARY

34199 SIEGENBURG GERMANY GUNNERY RANGE 68-70 . ₽ñĕ 1200-1400 PAGE 1

| Temp          |               |  |               |       |              | WET    | BULB 1   | EMPER       | ATURE       | DEPRE         | SSION         | (F)  |          |               |                 | <del></del> | 101      | AL               |                  | TOTAL     |                      |
|---------------|---------------|--|---------------|-------|--------------|--------|--|-------------|-------------|---------------|---------------|--|----------|---------------|-----------------|-------------|----------|------------------|------------------|-----------|----------------------|
| (F)           | 0             | 1 - 2  | 3 - 4         | 5 - 6 | 7 - 8        | 9 - 10 |  |             |             | 17 - 18       | 19 - 20       | 21 - 22  | 23 - 24  | 25 26         | 27 - 28 29      | 30 ≥ 3      | , D.B.   | w.8 p            | B- : .           | ee Bu t C | ew Po n              |
| 86/ 85        |               |  |               |       |              |        | ,6   | 1,1         | هٔ ر        | 1.1           |               |  |          |               |                 |             |          | 6                | 6                |           |                      |
| 84/ 63        |               |  |               |       | <del>:</del> |        |  | 1.1         | 1.7         |               |               |  |          |               |                 |             |          | <del>-9</del>    | - 9              |           |                      |
| 82/ 81        |               |  |               |       |              |        | 1.7  |             | 1.1         | . 1 • 1,      |               |  |          |               |                 |             |          | 8                | 8                |           |                      |
| 80/ 79        | <del></del>   |  |               |       | 1.1          | 454    |  | - 6         | <del></del> | <del></del> ; |               |  |          | ·             |                 | •           |          | <del>. 3</del> . | <del>. 2</del> . | -         |                      |
| 78/ 77        |               |  |               |       | . 6          |        |  | 3,4         | 1.1         | ;             |               | ŧ  |          |               |                 |             |          | 11               | 11               |           |                      |
| 76/ 75        |               |  |               |       | 2,8          | 3,4    | 5,6  | 2,2         |             |               |               |  |          |               |                 |             | •        | 20<br>18         | 11<br>20<br>18   | 7         |                      |
| 72/ 71        |               | •  |               | 1.1   |              | 6      | 2 2  | 3 2 3       |             | - 1           |               |  |          |               |                 |             |          | 13               | 13               | 10        |                      |
| 70/ 69        |               |  | , 6           |       | 1.7          | 2.2    | 1.1  | .6          |             | ·i            |               | 7 1  | -        | <del></del>   |                 |             |          | 13               | 13               | 1.C       |                      |
| 68/ 67        |               |  | 1.1           | .6    | 1.7          | 2.8    | 1.1  | • •         |             | į             |               | . 1  |          |               |                 |             |          | 13               | 13               | 12        | 6                    |
| 66/ 65        | <del></del> ; | .6   | 1.7           | 1.1   |              |        | 1.1  |             |             |               |               | 1  |          |               |                 |             |          | 10               | 10               | 12        |                      |
| 64/ 63        | ;             | 1.7  | . 6           |       | .6           | . 6    |  | 1           |             | <u> </u>      |               | 1  |          |               |                 |             |          | ě                | -6               | 34        | 7                    |
| 62/ 61        | , 6           |  |               |       |              | .6     |  |             |             |               |               | <del>                                     </del> |          |               |                 |             |          | 9                | 9                | 20        | 19                   |
| 60/ 59        | 3.9           | 1.1  | , 6           | . 6   | ļ            |        | !  | 1           |             |               |               | 1  |          |               |                 |             |          | 11               | 11               | 28        | 33                   |
| 58/ 57        |               | 1.7  | 2,8           | 1.7   | 1            |        |  |             |             |               |               |  |          |               |                 |             |          | 11               | 11               | 28<br>14  | 19<br>33<br>12<br>27 |
| 56/ 55        | 6             | 2.8  | . 1           |       |              |        | 1  |             |             |               |               |  |          |               |                 |             |          | 6                | 6                | 9         | 27                   |
| 54/ 53        |               | i  | 2.2           |       |              |        | :  |             |             |               |               |  |          |               |                 |             |          | 4                | 4                | 13        | 21                   |
| 52/ 51        |               | :  | 1.7           |       |              |        |  |             |             | <del></del>   |               |  |          |               |                 |             |          | 3                | 3.               |           | <u> 11</u><br>21     |
| 50/ 49        |               | .6   | . 5           | i     |              |        | ?<br>•   |             |             | ī             | •             | 1  |          |               |                 |             |          | 2                | 2                | 5         | 21                   |
| 48/47         |               |  |               |       |              |        |  |             |             | <del>-</del>  |               | <del>.                                    </del> |          |               |                 |             |          |                  |                  | 3_        | A                    |
| 46/ 45        |               |  | ;             |       |              |        |  |             |             |               | •             |  |          | ;             |                 |             |          |                  |                  |           | 6                    |
| 44/ 43        |               | 10 7   | 1 A E         | £ 3   |              | 16.0   | 00.0   | 3 7 0       | A E         | 2.2           |               |  |          | <del>:</del>  |                 |             |          |                  | 178              |           | 178                  |
| TUTAL         | 267           | 10.7   | 1342          | 0.2   | 1402         | 14.0   | KU.0   | 17.0        | 4.5         |               | )             | ! !  |          |               |                 |             |          | 78               | 110              | 178       | 110                  |
| <del>i</del>  |               | <u>'                               </u>          | <del></del> ; |       |              |        | <del>!</del>                                     |             | -           |               | <del></del> - | <del>,</del> !                                   |          | <del></del>   |                 |             |          | /5               |                  | 170       |                      |
|               | :             | : !  | ı             |       |              |        | <u>!</u>   |             |             |               |               | 1 1  |          |               | ı               |             |          |                  |                  |           |                      |
| <del>-</del>  |               | <del>-</del>                                     |               |       |              |        | <del>!</del> _                                   |             |             | <del></del>   | <del></del>   | + - 1  |          | <del>- </del> |                 |             |          |                  |                  |           |                      |
|               | 1             | , :  | į             |       |              |        |  | !<br>!      | ļ           |               |               |  |          | ;             | i               |             |          |                  |                  |           |                      |
| <del> </del>  |               | <del> </del>                                     |               |       |              |        | <u> </u>   |             |             |               |               | <del>i                                    </del> |          |               | <del>   -</del> |             |          |                  |                  |           | -                    |
| !             |               | İ  |               |       |              |        | !  |             |             | 1             |               |  |          | 1             | ,               |             |          |                  |                  |           |                      |
| <del>  </del> |               | <del>                                     </del> |               |       |              |        | <del>                                     </del> | <u> </u>    |             | <del></del> - |               |  |          | ,             | <del></del>     | -;          |          |                  |                  |           |                      |
|               |               |  | ļ             |       |              |        |  |             |             |               |               |  |          |               |                 |             |          |                  |                  |           |                      |
|               |               |  |               |       |              |        |  | <del></del> |             | 1             |               | 1  |          | Ī             |                 | ;           |          |                  |                  |           |                      |
|               |               | <u> </u>   |               |       |              |        | <u> </u>   |             |             |               |               | <u>                                     </u>     |          | <u> </u>      |                 | !           | 1        |                  |                  |           |                      |
| Element (X)   |               | Σχ²  |               |       | Σχ           |        | X  | ₹ X         |             | No. Ob        |               |  |          |               | Meon No.        | of Hours    | with Tem | peratu           | ire              |           |                      |
| Rel. Hum.     |               | 78   | 1015          |       | 114          |        |  | 17.1        |             |               | 78_           | = 0 F  | <u> </u> | ± 32 F        | ≥ 67 F          | ≥ 73 F      |          | 10 F             | - 93 F           | T         | otal                 |
| Dry Bulb      |               | 870  | 5702          |       | 123          |        |  | 8,9         |             | 1             | 78            |  |          |               | 60.6            | 40.         | 2 1      | 2.5              | <u> </u>         |           | 93                   |
| Wer Bulb      |               |  | 5089          |       | 109          |        |  | 5,6         |             |               | 76            |  | _ _      |               | 16,2            |             | 5        |                  | <u> </u>         |           | 93                   |
| Dew Point     |               | 568  | 2742          |       | 99           | 52     | <u> 56.0</u>                                     | 5.4         | 23          | <u> </u>      | 78            |  |          |               | 3.1             | .1          | <u>'</u> |                  |                  | 1         | 93                   |

USAFETAC

## PSYCHROMETRIC SUMMARY

34199 SIEGENBURG GERMANY GUNNERY RANGE 68-70

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| Temp.          |             |             |                  |               | WET BULE      |               |  |  |             |             |                |               |               | TOTAL        |            | TOTAL       |        |
|----------------|-------------|-------------|------------------|---------------|---------------|---------------|--|--|-------------|-------------|----------------|---------------|---------------|--------------|------------|-------------|--------|
| (F)            | 0 1 - 2     | 3 - 4 5     | 5 - 6 7          | -8 9-         | 10 11 - 1     | 2 13 - 14     | 15 - 16  | 17 - 18                                      |             | 2" - 22 23  | 24 25 26       | 27 28 29      | 30 3          | D 4.F B      | rv Bu ± '* | re Bu e j   | )+ + P |
| 90/ 89         |             |             |                  |               |               | _             |  |  | • 9         |             |                |               |               | 1            | 1          |             |        |
| 86/ 85         |             |             |                  |               |               | 9'            |  | 1.9  |             |             |                |               |               | 3_           | 3.         |             | _      |
| 84/83          |             |             |                  | _             | . 1,          | 9: 1,9        | 1 1 9  | 9  |             |             |                |               |               | 7            | 7          |             |        |
| 32/ 81         |             |             |                  |               |               |               | 1.9  |  |             |             |                |               |               | . <u>7</u> . | 7.         |             | _      |
| 30/ 79         |             |             |                  | . 9           |               | 9 , 5         |  | 2.5  |             |             |                |               |               | 7            | 7          |             |        |
| 18/ 77         |             |             |                  | 9 1           | 9.10          | 9 5.6         |  |  |             |             |                |               |               | 11.          | 11.        |             | _      |
| 6/ 75          |             |             |                  | . 1           | ,9,7,         |               |  | );   |             |             |                |               |               | 11.          | 12         |             |        |
| 4/ 73          |             |             |                  | ,9 3          | .7 2.         | 8: 3.7        | 71   |  |             |             |                |               |               | 12           | 12         | 1_          | _      |
| 2/ 71          |             |             | 9                | 7             |               | 9 2,8         | 3  | 1  |             |             |                |               |               | 11           | 11         | 7           |        |
| 0/ 69!         |             |             |                  | L. S. 4       | . 61          | 1.5           | 9.5  | )1   |             |             |                |               |               | 11           | 11         | 6           |        |
| 8/ 67.         |             |             | . 9              | 5             | .6 4.         | 6             | 1  |  | 3           |             |                |               |               | 12           | 12         | 7           |        |
| 6/ 65.         |             |             |                  | 9             |               |               | <u>'</u>   |  |             | ļ           |                |               |               | 1            | 1          | 14          |        |
| 4/ 63          | , 9         |             |                  |               |               |               |  |  |             |             |                |               |               | 1            | 1          | 24          |        |
| 2/ 61.         | 9.          |             |                  |               |               |               |  | _  |             |             |                |               |               | 1            | ì          | 11          |        |
| C/ 59.         |             |             | , 9:             | 9             |               | 1             | 1  |  |             |             |                |               |               | 2            | 2          | 15          |        |
| 5/ 57          |             | 1.9         | , 9 <sup>.</sup> | •             |               | i             |  |  |             |             |                |               |               | ã            | 3          | - 9         |        |
| 6/ 55          |             |             | ,9               |               |               |               |  |  |             |             |                |               |               | 1            | 1          | 3           |        |
| 4/ 53:         |             | 3.7         |                  |               |               |               |  |  |             |             |                |               |               | 4            | 4          | 3           |        |
| 2/ 51          | <del></del> | .91         |                  |               |               |               |  | -  |             |             |                |               |               | 1            | 1          | 4           |        |
| C/ 49:         |             | •           | Ē                |               |               |               |  |  |             |             |                |               |               | _            | _          | 3.          |        |
| 8/ 47          | <del></del> |             | - :              |               |               | •             |  |  |             |             |                |               |               |              |            | 1           |        |
| 6/ 45          |             | -           |                  | į             | ì             | 1             | :  |  |             |             |                |               |               |              |            | _           |        |
| 0/ 30          | <del></del> |             |                  |               | 1             | 1             |  | <del>:</del>                                 | <del></del> |             |                |               | ·             |              |            |             |        |
| TAL            | 1.9         | 6.5         | 5.6n             | 220           | . 423.        | 118.          | 5 6.5  | 6.5  | . 9         |             |                |               |               |              | 108        |             | _ ī    |
| 1              |             |             |                  |               |               |               | 1  |  |             |             |                | · ———         |               | 108          |            | 108         |        |
| i              | ,           |             |                  |               | ļ             | !             | i  |  | i           | i           |                |               |               |              |            |             |        |
|                | <del></del> | <del></del> | <del></del>      | :-            | <del></del>   | <del></del>   | 1  | <del>: - :</del>                             | <del></del> | :           |                | <del></del> - |               |              |            |             |        |
| 1              |             |             |                  | i             | i             | İ             | I  |  | 1           |             |                | • !           |               |              |            |             |        |
|                | <del></del> |             |                  | <del></del>   | <del></del>   |               | <del>;                                      </del> | <u>;                                    </u> | <u>i</u>    | <del></del> |                | ·             | <del></del>   |              |            |             |        |
| ļ              |             | l           | 1                | İ             | 1             | 1             |  | i  | •           |             |                |               |               |              |            |             |        |
| <del></del> i- | <del></del> |             | <del>- :</del>   | <del></del>   | <del></del>   | <del>-i</del> | <del></del>  | !  | -           | <del></del> | <del>.</del> - | <del></del>   | <del></del> - |              |            |             |        |
| ļ              |             | į           | 1                | :             | i             |               |  | 1  |             |             | •              | • ;           |               |              |            |             |        |
| <del></del>    |             | <del></del> | <del></del>      | <del></del>   | $\overline{}$ | <del></del>   | i  | i  |             | <del></del> |                | <del></del>   |               |              |            |             |        |
| 1              |             | I           | į                | I             | 1             | 1             | 1  | 1  |             |             |                |               | •             |              |            |             |        |
| lement (X)     |             | <u> </u>    | Σy               | <del></del> _ | i X           | <del> </del>  | . T  | No. Ob                                       | 1.          | <u>_</u>    | <u> </u>       | Mean No. a    | f Hours with  | Temperatur   |            |             |        |
| el. Hum.       |             | 3811        |                  | 3947          |               | 112,          |  |  | C8          | ± 0 F       | 1 32 F         | ≥ 67 F        | ≥ 73 F        | - 80 F       | • 93 F     | T.          | otal   |
| ry Bulb        |             | 9241        |                  | 7863          |               |               | 55   |  | 08          |             | <del></del>    | 80.9          | 51.7          |              |            | <del></del> |        |
| er Bulb        |             | 5497        |                  | 6713          |               |               | 98   |  | 08          |             | <del></del>    | 18.1          | 91            | 7            |            |             |        |
|                | 7 69        | 1363        |                  | 5949          |               | 1 3.0         |  | :  | OB          |             | 1              | 3.4           |               |              | L          |             |        |

C 101M 0.26-5 (OL.A) eense menous toenoms of

## **PSYCHROMETRIC SUMMARY**

STEGENBURG GERMANY GUNNERY RANGE 68-70

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| Temp             |                         |                | BULB TEMPERATURE   |  |                |  | TOTAL  | -                  | OTAL                            |
|------------------|-------------------------|----------------|--|--|----------------|--|--|--------------------|---------------------------------|
| (F)              |                         | 6 7 8 9 10     | 11 - 12 13 - 14 15 - 16  | 17 - 18 19 - 20  | 21 - 22 23 - 2 | 24 25 26 27 - 28 29                              | . 30 ° 31 ° 0.8. ⊁.8                             | ov Bu <u>s</u> i∾a | er Su s Dew Pa                  |
| 66/ 65           | • 5¦<br>; • 5! ;        |                |  |  |                |  | 1  | 1                  |                                 |
| 62/ 61 60/ 59    | .5 .5 .5<br>2.2 1.1     |                |  |  |                |  | 3  | 3                  | 3                               |
| 58/ 57           | 2.7 4.4 4.9             | <del>~</del>   |  |  |                | <del></del>                                      | 22   | 22                 | $\frac{2}{14}  \frac{3}{9}$     |
| 56/ 55           |                         | <del></del>    |  |  |                | <del></del>                                      | 16   | 16<br>18           | 13 9                            |
| 54/ 53 52/ 51    | .5 6.6 2.2<br>.5 3.3 .5 | . 51           |  | ,  |                |  | 15   | 16                 | 17 è                            |
| 50/ 49           | 8.2 9.3 1.1<br>2.7 3.3  |                |  | <del></del>  | :              |  | 34   | 34                 | 18 13<br>30 44                  |
| 46/ 45           | 2,2 1.6                 | <del></del>    |  | ,  |                | <del></del>                                      | 117  | $-\frac{11}{7}$    | $\frac{17}{12}$ $\frac{22}{11}$ |
| 44/ 43:          | 2.7. 2.7                | <del></del>    |  | •  |                |  | 10<br>16   | 10.                | $\frac{9}{12} - \frac{10}{16}$  |
| 40/ 39           | 2,7                     | <del></del>    | <u></u> :  |  |                |  |  | 5                  | 7 4                             |
| 38/ 37<br>36/ 35 | 1.1 1.1                 | 1 1            | a va a de la companya |  |                |  | <del>4</del><br>7                                | 4 7                | 7 7                             |
| 34/ 33<br>32/ 31 | 1.1 .5                  |                |  |  |                |  | 2 3  | 2                  | 2 3                             |
| 30/ 29<br>28/ 27 | 2,2 .5                  |                |  |  |                |  | 5<br>3   | 5<br>3             | 6. 5                            |
| 26/ 25<br>UTAL   | 34. 50.814.2            | . 5            |  | <del></del>  |                |  | <u>1</u>   | 183                | 1 1<br>183                      |
|                  |                         |                |  |  | ! <del></del>  | <del></del>                                      | 133  |                    | 1831                            |
|                  |                         |                |  | : :  |                |  |  |                    |                                 |
|                  |                         |                |  | <del> </del>   |                |  |  |                    |                                 |
|                  |                         |                |  | <u>:</u>   |                |  |  |                    |                                 |
|                  |                         |                |  | * *  | - tu           |  |  |                    |                                 |
|                  |                         |                |  | And Advantage of the Ad | -              | ,  |  |                    |                                 |
|                  |                         |                |  |  | · !            | <del>-                                    </del> |  |                    |                                 |
| Element (X)      | Σχ'                     | z <sub>x</sub> | X Px   | No. Obs.   | <del>'</del>   | Mean No.   | of Hours with Temperatu                          |                    | <del></del>                     |
| Rel. Hum.        | 1555370                 |                | 91,9 7,729   | 183  | ± 9 F          | 132 F 267 F                                      | → 73 F . 80 S                                    | - 93 F             | Total                           |
| Dry Bulb         | 440839                  |                | 48,3 8,496   | 183  |                | 5.9  |  | 1                  | 90                              |
| Wet Bulb         | 417636                  |                | 47.1 7.984   | 183  | <del></del> +  | 5,9  | <del>                                     </del> | 1                  | 90                              |
| Dew Point        | 398766                  |                | 46.0 7.769   | 183  | <del></del>    | 6.4  | <del> </del>                                     | <del></del>        | 90                              |

### **PSYCHROMETRIC SUMMARY**

34199 SIEGENBURG GERHANY GJNNERY RANGE 68-70 SEP PAGE 1 0900-1100

WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL (F) 7-8 9-10 11-12 13-14 15-16 17-18 19-20 21-22 23 24 25 26 27-28 29 30 -3" DB. \* 8 D. B. b 74/ 73 72/ 71 1.1 1.1 .5 2.2 1.1 .5 70/ 69 68/ 67 66/ 65 64/ 63 .5 1.1 2.2 .5 1.6 1.6 1.1 1.1 2.2 2.2 .5 1.6 3.8 2.2 3.8 10 10 10 13 21 34 24 17 , 5 . 5 1 . 5 13 21 52/ 61 2.2 6.5 8.1 1.6 1.6 3.8 2.2 4.8 .5 .5 2.2 2.7 2.7 1.1 13 19 26 60/ 59 34 18 27 29 27 27 23 58/ 57 56/ 55 24 17 54/ 53 14 14 1.6; 1.1. 1.1; 1.1; 2.2; \_5; .5; į 52/ 51 14 6 35 50/ 49 . 5 19 11 12 7 48/ 47 .5 1.1 2.7 46/ 43 42/ 41 40/ 39 <u>3</u> 21/ 37 36/ 35 . 5 34/ 33 29 30/ 29/ 27 4.825.327.424.212.9 3.8 1.6 186 186 185 ΣX² No. Obs. Mean No. of Hours with Temperature Element (X) 77,212,154 57,5 7,361 53,4 6,231 Rel. Hum. 1235054 14354 186 ≥ 67 F | ≠ 73 F = 80 F 1 32 F ≥ 93 F 625907 538279 Dry Bulb 90 90 10703 9939 186 186 8.7 , 5 Wet Bulb .5 50.1 5.340 Dew Point 474638 9322 186 90 .5

USAFETAC 10th 0.26-5 (OL A) 1811/10 HEVIOUS ECHIONS OF THIS 70th UT OLSORIES

### PSYCHROMETRIC SUMMARY

34199 SIEGENBURG GERMANY GUNNERY RANGE 68+70 SEP
PAGE 1 1200+1400

WET BULB TEMPERATURE DEPRESSION F \*0\*A. TOTAL 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 22 23 24 25 26 27 25 20 30 , 3 DB. \* B Dr. B. 5 Her B. : De- Pa 78/ 77 76/ 75 .5: ,5 1,6 1,1 14 16 23 22 74/ 73 72/ 71 70/ 69 14 68/ 67 23 22 21 21 13 66/ 63 21 21 64/ 63 16 24 25 25 27 22 18 62/ 61 6C/ 59 58/ 57 13 17 56/ 55 54/ 53 52/ 51 84 30/ 49 48/ 47 46 . 5 46/ 45 1 1 , 5: 5 42/ 41 40/ 39 38/ 37 1.6 4.915,716.822.720.513.0 4.9 <u> 185</u> 185 Element (X) 794177 783093 615281 64,213,226 Rel. Hum. 11873 185 57,5 4,875 51,8 5,834 11983 10631 9592 185 90 90 Dry Bulb 36,5 10.7 Wet Bulb 2,4 503594 90 Dew Point

TAC FOLM 0.26-5 (OL. A) HINSTO PERVIOUS TORIGHTS OF THIS FORM ARE OF

USAFETAC 1000 0.26-5 (01. A)

### PSYCHROMETRIC SUMMARY

34199 SIEGENBURG GERMANY GUNNERY RANGE 68-70 552 PAGE 1 1500-17CC

TOTAL WET BULB TEMPERATURE DEPRESSION 'F 1-2 3-4 5-6 7-8 0. 0 11-12 13-15 15-16 17-15 19 20 21-22 23-25 25 25 27 25 29 30 +3 22 8 8 2-8 8 78/ 77 76/ 75 74/ 73 72/ 71 .8 2.5 ,8 1,7 5 1.7 5.9 5.1 1.7 5.9 5.1 1.8 3.4 .8 3.4 .8 .8 5.1 7.4 15 10 70/ 69 .8 5.1 7.6. 2.5: 1,7 3,4: 1.7 .8: 3.4: 4.2: 2.5. .6: 1.7: 1.7: 2.5. 2.5. .8: 3.4: 1.7: 1.7 13 68/ 67 19 12 13 12 12 64/ 63 62/ 61 6C/ 59 17 27 4 16 7 4 , 5. .8 1.7 12 58/ 57 . 8: 4.2 50/ 35 54/ 53 52/ 51 5C/ 49 48/ 47 <u>.</u> 8: . 6: 8 46/ 45 6 44/ 43 42/ 41 40/ 39 3 TOTAL .3 4.2 5.116.917.822.922.010.2 118 115 7025 59.513.179 7857 66.6 5.780 6844 58.0 4.674 6075 51.5 5.986 Mean No. of Hours with Temperature 2 67 F , 2 73 F 2 80 F Element (X) 438547 527065 118 | 118 | Rel. Hum. **90** Dry Bulb 46.5 18.3 Wet Bulk 399508 118 90 3.1 118 90 Dew Point 316955 . 8

\$ ₹ õ 0.26-5

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## PSYCHROMETRIC SUMMARY

34199 SIEGENBURG GERMANY GUNNERY RANGE 68-70 CCT

| Temp                  | MET BULB TEMPERATURE DEPRESSION  |                |                     | 70.74        |          | *:**.                                 |          |
|-----------------------|--|----------------|---------------------|--------------|----------|---------------------------------------|----------|
|                       | રક્રોકો જે વિજયુપ્ત પર્વક પર્વે જ પ્રાથમિક છે.   | រ ជាស្រុក ទេ ម | an agile no ell     | 75 10 1      |          | · · · · · · · · · · · · · · · · · · · | •• •     |
| 58/ 57 .5             |  |                |                     | 1            | 1        |                                       |          |
| 56/ 55                |  |                |                     | _ 1          | 1.       | 1                                     |          |
| 347 53 3,1 3,1 ,5     |  |                |                     | 13           | 13       | 11                                    |          |
| 52/ 51 1,6 4,2 1.6    |  |                |                     | 14           | 14       | 10                                    |          |
| 50/ 49 11,0 3.1 .5    |  | •              |                     | 22           | 14       | 10                                    |          |
| 48/ 47 3,7 3.1 ,5     |  |                |                     | 14           | 14       | 15                                    |          |
| 46/ 45 4,2 2.1 .5     | Andrew An | • •            | - •                 | <u>13</u> .  | 13       | 12                                    | 1        |
| 44/ 43 1.6 2.1 .5 .5  |  |                |                     | 9            | 9.<br>14 | <u>10</u> .                           | 1        |
| 42/ 41 2,1 4,2 1,0    |  |                |                     | 14           | 14       |                                       | Ī        |
| 40/ 39 2.6 3.7        |  |                |                     | - <u>12</u>  | 12       | 20                                    |          |
| 38/ 37 5.8 2.6        |  |                |                     | 18           | 12       | 20<br>21                              | 2        |
| 36/ 35 6.4 2.1        |  |                |                     | 20           | 20       | 21                                    | <u>2</u> |
| 34/ 33 4,2 1,0        |  |                |                     | . <u>20</u>  | 20<br>1ĉ | 11                                    | 1        |
| 32/ 31 7.3            |  |                | _                   | 14           | 14       | 14                                    | 1        |
| 30/ 29 2,1 .5         |  |                |                     | 3            | 14.      | 21<br>11<br>14                        | ī        |
| 28/ 27 1.0            |  |                |                     | - 2          | 2        | · 3                                   |          |
| 26/ 25 ,5 ,5          |  |                |                     | Ž            | 2        | 2                                     |          |
| 24/ 23 ,5             |  |                |                     | 1            | 1        |                                       |          |
| 22/ 21                |  |                |                     |              |          | 1                                     | _        |
| 20/ 19                |  |                |                     |              |          |                                       |          |
| UTAL 50.234.0 3.7 2.1 |  |                |                     | _            | 191      |                                       | 19       |
|                       |  |                |                     | 191          |          | 191                                   | _        |
|                       |  |                |                     |              |          |                                       |          |
|                       |  |                |                     |              |          |                                       |          |
|                       |  |                |                     |              |          |                                       |          |
|                       |  |                |                     |              |          |                                       |          |
|                       |  |                |                     | -            |          |                                       |          |
|                       |  |                |                     |              |          |                                       |          |
|                       |  |                |                     |              |          | _                                     |          |
|                       |  |                |                     |              |          |                                       |          |
|                       |  |                |                     |              |          |                                       |          |
|                       |  |                |                     |              | _        |                                       |          |
|                       |  |                |                     |              |          |                                       |          |
|                       |  |                |                     |              |          |                                       |          |
| Element (X) ; Zx² ; Z |  |                | Heas No. of Hours w | de Temperaru | ~        |                                       |          |
| Rel. Hum. 1735251     | 15143 95.0 5.226 191   | : ¢ F : 12 F   | : 67 F - 73 F       | . 5. 5       | • 93 F   | 7,                                    | -        |
| D-y 6-15 352696       | 8076 42,3 7,685 191  | 11,7           |                     |              |          |                                       | 9        |
| Yer 5-15 341354       | 7948 41,5 7,475 191  | 11.47          |                     |              |          |                                       | 9        |
| De- Porat   330139    | 7807: 40.9: 7.62C 191  | 14.1           |                     |              |          |                                       | ç        |

## PSYCHROMETRIC SUMMARY

34199 SIEGENBURG GERMANY GUNNERY RANGE 68+70

0950-1100 PAGE 1

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| Temp        |  |  |  |  |  | VET    | BULP 1   | EMPERA         | TURE | DEPRE  | SSICH (F) |  |   |             |                 |  | TOTAL.         |  | TOTAL             |                      |
|-------------|--|--|--|--|--|--------|--|----------------|------|--|-----------|--|---|-------------|-----------------|--|----------------|--|-------------------|----------------------|
| (F)         | 0  | 1 - 2  | 3 - 4                                  | 3 - 6  | 7 - 8  | e . 10 | 11 - 12  | 13 - 14 -      | š    | 17 - 12  | 17 - 20 2 | 27 23  | 24, 25  | 26 2        | 7 - 28 29       | 30 + 3   | J B. W.B. 5    | ry Buly  | Wet Buib D        | ew Po                |
| 62/ 61      |  |  | ]                                      |  | , 5  |        |  |                |      |  |           | •  | -   | •           | •               | -  | ī              | 1  |                   |                      |
| 60/ 59      |  | . 5  |  | 1.0  |  |        |  |                | _    |  |           |  | 1   |             |                 |  | 7              | 7  |                   |                      |
| 58/ 57      |  | 3.6  |  | . 5  |  |        | 1  |                |      |  |           |  |   |             |                 | -  | 12             | 12   | 3                 | 1                    |
| 59/ 55      | . 5  |  | 2.6                                    |  |  |        | 1  |                |      |  |           |  |   |             |                 |  | 11.            | 11   | 13                | Ġ                    |
| 54/ 53      | 1.0  |  | 2.1                                    | 1.5  | . 5  |        |  |                |      |  |           |  | •   | •           | •               | •  | 22             | 22   |                   | 6                    |
| 52/ 51      | 1.0  | 6.2  | 2,6                                    |  |  |        |  |                |      | i  |           |  |   |             | _               |  | · 20           | 20   | 16:<br>21         | 18                   |
| 50/ 49      | 2.1  | 2.6  |  | 1.0  | 1.0  |        | 1  |                |      | . [  |           |  |   | - •         | -               |  |                | 20   | 21                | 2,7                  |
| 48/ 47      | 2.1  | 3.6  | 3.6                                    | . 5  |  |        | li   |                |      | 1  |           | 1  |   |             |                 |  | 19             | 19   | 21                | 14                   |
| 46/ 45      | 2,1  | 2.1  |  | 2:1  |  |        |  |                |      |  |           | 77   |   |             |                 |  | 12             | 12   | 19                | 14                   |
| 44/ 43      | 1.0  | 4.6  | 5,5                                    | 1,5  |  |        |  |                |      |  |           |  |   |             |                 |  | 15             | 19   | 13                | 13                   |
| 42/ 41      | 3.1  | 6.2  | , 5                                    |  |  |        |  |                |      |  |           | The same of the sa |   |             |                 |  | 19             | 19   |                   | 25                   |
| 40/ 39      | 3.1  | 4.6  |  | <u> </u>   | <u> </u>   |        |  |                |      |  |           |  |   |             |                 |  | 15             | 15   | $-\frac{21}{19}.$ | 15                   |
| 38/ 37      | 4.6  | 1.0  | )                                      | [  |  |        |  |                |      |  |           |  |   |             | ,               |  | 11             | 11   | 19                | 13<br>25<br>25<br>23 |
| 36/ 35      | 2.1  | . 5  |  | ]  | ]]   |        | <u> </u>   |                |      | <u>i         i</u>                               |           | <u> </u>   | ,   |             |                 |  |                | 5  | 6.                | 14                   |
| 34/ 33      | 3.0  | . 5  |  |  |  |        |  |                |      | i  | -         |  |   | •           |                 |  | 3              | 3  | 4.                | 8                    |
| 32/ 31      | 1.0  |  |  | <u> </u>   |  |        |  |                |      |  |           |  |   |             |                 |  | 2              | 2  | 2                 | 7                    |
| 30/ 29      | 5  |  |  |  |  |        | (  |                |      | 1  | - T       |  |   | į           |                 |  | 1              | 1.   | 1                 | _ 2                  |
| TOTAL       | 25.1   | 44.1   | 19,5                                   | 8.7  | 2.1  | . 5    | <u></u>  |                |      |  |           |  |   |             |                 |  |                | 195  |                   | Ĭ95                  |
|             |  |  | ĺ                                      |  |  |        |  |                |      |  | l         | į  |   |             | r               |  | 195            |  | 195               |                      |
|             |  | ļ  | <del>-</del>                           | ļ  | <u> </u>   |        | <del> </del>                                     |                |      | <del>-</del>                                     | -         |  | <u>-</u>  |             |                 |  | <del></del>    |  |                   |                      |
|             |  | 1  | !                                      | 1  |  |        | ł  |                |      |  | ļ         | ļ  | i   | 1           | 1               | ,  | I              |  |                   |                      |
|             |  | !  | <del> </del> -                         | <u> </u>   | <del>  </del>                                    |        | <b>!</b>   |                |      | <del></del>                                      |           | <del>:</del> _   |   | $-\bot$     |                 |  |                |  |                   |                      |
|             |  |  |  |  | 1 1  |        | 1  |                |      |  |           | į  | l   | :           | •               | i  | '              | ·  | ,                 |                      |
|             |  | ├  | ┼                                      | <del> </del>                                     | ╂╾╾┦   |        | ļ  |                |      | <del>-  </del>                                   |           | <del></del>  | <del></del>                                       |             |                 | <del></del> -                                    | ++             |  |                   |                      |
|             |  |  | İ                                      |  | 1 1  |        |  |                |      | !  |           | - 1  | ļ   | :           | i               | ;  | ; ;            |  |                   |                      |
|             | <b>├</b>   | ├  | <del> </del> -                         | <del> </del>                                     | <del>  </del>                                    |        | <del> </del> -                                   |                |      | -  |           | <del></del>  |   |             | <del> </del>    |  | <del></del>    |  |                   |                      |
|             | 1  | ļ  |  |  | 1  |        |  |                |      |  |           | İ  | i   |             | 1               | ļ.   | 1              |  |                   |                      |
|             | <del> </del>                                     | <del> </del>                                     | <del> </del> -                         | <del> </del>                                     | <del>  </del>                                    |        | ├  |                |      | ┼──┤   |           |  |   |             |                 | <del>- i -</del>                                 | <del></del> -  |  |                   |                      |
|             | -  |  |  | İ  |  |        |  |                |      |  |           |  | į   | !           | 1               | !  |                |  | :                 |                      |
|             | <del> </del>                                     | 1  | <del> </del>                           | <del> </del>                                     | <del>                                     </del> |        | ├  |                |      | <del>                                     </del> |           | <del>-  -</del>  |   | <del></del> |                 | <del> </del>                                     | ++             |  | <del></del> ;     |                      |
|             |  |  |  | !  |  |        |  | į (            |      |  |           | -  | -   | ļ           | -               | l  |                |  |                   |                      |
|             | <del> </del>                                     | <del>                                     </del> | ┼──                                    | ┼──  | <del>  </del>                                    |        | <del></del>                                      |                |      | +  |           | <del></del>  | - <del>-                                   </del> | $\dashv$    | <del>-  -</del> | <del> </del> -                                   | <del> </del> + |  | i——               |                      |
|             | !  |  |  | 1  |  |        |  |                |      |  |           | -  | -   | i           | 1               | ĺ  |                |  |                   |                      |
| Element (X) | <del>                                     </del> | Σχ²  | ــــــــــــــــــــــــــــــــــــــ | <del>                                     </del> | Σχ   |        | <del>'                                    </del> | O <sub>X</sub> | - T  | No. Ob   | <u>-</u>  |  |   | <del></del> | Meon No         | of Hours w                                       | ith Temperatu  | re   | <del></del>       |                      |
| Rel. Hum.   | <del>                                     </del> |  | 0072                                   | 2  | 170  | 06     |  | 11.79          | 12   |  | 95        | ± 0 F  | 1 : ::  |             | ≥ 67 F          | ≥ 73 F   | ≥ 80 F         | ≥ 93 1   | F Y               | otał                 |
| Dry Bulb    | <b> </b>   | 44   | 6692                                   |  | 92   |        | 47.4   | 6.97           | 1    |  | 95        |  |   | .4          |                 | <del> </del>                                     | <del> </del>   | 1  |                   | 93                   |
| Wet Bulb    | <del> </del>                                     | 41   | 0670                                   | )  | 88   |        |  | 6,39           |      |  | 95        |  |   | .4          |                 |  |                | <del> </del>                                     | <del></del>       | 93                   |
| Dew Point   |  | 39   | 7902                                   | -  |  | 86     | 43.5   | 6.60           | 1    |  | 95        |  |   | .3          |                 | <del>                                     </del> | 1              | <del>                                     </del> | <del></del> -     | 92                   |

USAFETAC FORM 0.26-5 (OLA)

#### PSYCHROMETRIC SUMMARY

34199 SIEGENBURG GERMANY GUNNERY RANGE 60-70 CCT PAGE 1 1200-1400 Temp (F) WET BULB TEMPERATURE DEPRESSION (F) TOTAL 1.2 3-4 5-6 7-8 9-10 11-12 13-14 15-16 17-18 19-20 ... - 22 23 24 25-26 27-26 29-30 - 31 DB. W B Dry Rush 72/ 71 70/ 69 . 5 68/ 67 66/ 65 1.0 1.6 2.6 . 5 . 5 1.0 1.6 5.7 2.1 ī 62/ 61 2.0 .5 1.0 2.1 2.1 2.1 1.0 2.1 4.7 2.6 2.6 12 58/ 57 12 29 20 17 19 29 56/ 55 54/ 53 . 5 52/ 51 1,6 2.1 3.6 , 5 , 5 13 3,6 4.2 49 2.6 5 ع .0 1.0 .5 1.6 .0 3.1 46/ 45 44/ 43 42/ 41 40/ 39 1.0 6 10 10 3.1 38/ 37 36/ 35 4 34/ 33 32/ 31 31 30/ 29 192 TOTAL 9.924.025.018.217.2 4.2 1.6 192 192 No. Obs. Mean No. of Hours with Temperature 1164247 561856 477201 76,514,555 53,5 8,026 49,4 6,407 14659 10272 9493 192 192 192 ± 0 F ≥ 67 F ≥ /3 F ≥ 80 F 93 Dry Bulb 93 93 Wet Bulb 8790 45.8 6.432

a S S 0.26-5

Dew Paint

410320

34199 SIEGENBURG GERMANY GUNNERY RANGE 68070

## **PSYCHROMETRIC SUMMARY**

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| 31×110A     |       |                |              | 3.           | A1 'U4 N     | · • £        |              |                 |                  |  |  | **               | ~-3  |             | 0.05   |            | 1500        | -<br> |
|-------------|-------|----------------|--------------|--------------|--------------|--------------|--------------|-----------------|------------------|--|--|------------------|--|-------------|--|------------|-------------|-------|
|             |       |                |              |              |              |              |              |                 |                  |  |  |                  |  |             | PAGE   | 1          | 1500-       |       |
| Temp.       |       |                |              |              |              |              |              | EMPERAT         |                  |  |  |                  |  |             | TOTAL  |            | TOTAL       |       |
| (F)         | 0     | 1 - 2          | 3 - 4        | 5 - 6        | 7 - 8        | 9 - 10       | 11 - 12      | 13 - 14 15      | - 16 17 - 1      | 18 19 - 20                                       | 21 - 22 23                                       | - 24 25 - 26     | 27 - 28 29                                       | . 30 > 31   | 0.8. N B 5                                       | ry Bu'b    | Wet Bu a D  | ew P  |
| 2/ 71       |       |                |              |              |              |              |              | 1.0             |                  |  |  | 4                |  |             | 2  | 2          |             |       |
| 8/ 67       |       | ļ              | 2.1          |              | 4,2          |              |              |                 |                  |  |  |                  |  |             | . 11.  | _ <u> </u> |             |       |
| 6/ 65       |       |                | !            | 1.0          | 1.0          | 2,1          |              |                 |                  | 1  |  |                  |  |             | 4,   | 4.         | 7           |       |
| 4/ 63       |       | <del> </del> - |              | 2.1          |              | 1.0          | 1.0          |                 |                  |  |  |                  | •  | - •         | · <u>4</u> .                                     | <u>.</u>   | - 1 ·       | -     |
| 2/61        |       | 1.0            | 1.00         | 4 2          | 3,1          | 110          | 1.0          |                 |                  | 1  | İ  |                  |  |             | 7  | 7          | 11          |       |
| 8/ 57       | 2,1   |                | 3,1          | 2.3          | 5.2          | 100          |              |                 |                  |  |  |                  |  |             | $-\frac{15}{2}$                                  | · -13.     | <del></del> |       |
| 6/ 55       | 4 5 1 | 2.1            | 2.1          | 2.1          | 6,3          |              |              |                 |                  | 1  |  |                  |  |             |  | 12         | 2           |       |
| 4/ 53       |       | 3.1            | 4.2          | 3.1          | 1.0          | 2.1          |              |                 |                  | - <del> </del>                                   | <del>,                                    </del> |                  |  |             | 13<br>13   | 13         | <u>15</u>   |       |
| 2/ 51       |       |                | 7.3          | 2,1          |              |              | !<br>: .     | . 1             |                  | İ  |  |                  |  |             | • 9  | 9          | ii          |       |
| 0/ 49       |       | 2.1            | 1.0          | 2.1          |              |              |              |                 | - <del>- i</del> | <del>                                     </del> | <del>                                     </del> | <del></del>      |  |             | <del></del>                                      |            | 14.         | -     |
| 8/ 47       |       |                | 1            |              |              |              |              |                 | 1                | 1  |  |                  | . 1  |             | -  | -          | 15          |       |
| 6/ 45       |       | 1.0            | -            |              |              |              |              |                 |                  |  | <del>                                     </del> |                  |  |             | 1  | <u>1</u> . | 5           | _     |
| 4/ 43       | 1.0   |                |              | _            |              |              |              |                 | 1                | 1  |  |                  | '  |             | . 1.   | 1.         | 4           |       |
| 2/ 41       |       | 1.0            | 1.0          | <u> </u>     |              |              |              |                 | 1                | !  |  |                  |  |             | 2  | 2          |             |       |
| 0/ 39       | 1.0   | 1.0            | 1,0          | ]            |              |              |              |                 |                  |  |  |                  | ·  | 1           | 3  | 3:         | 2           |       |
| 8/ 37       |       |                |              |              |              |              |              |                 |                  |  |  |                  | Ī  |             |  |            | 3           |       |
| 6/ 35       |       | ļ              | <del> </del> |              |              |              |              |                 |                  |  | <del> </del>                                     |                  |  |             |  |            |             |       |
| 4/ 33       |       |                |              |              |              |              |              |                 | 1                | 1  |  |                  | !  | 1           | 1  |            |             |       |
| Z/ 31       | 4 2   | 1 1            | 22 0         | 25 0         | 21 0         | 10.4         | 3.1          | -1-3            |                  | _;   | <del></del>                                      |                  |  |             |  | 96         |             |       |
| 146         | 7 1 2 | 1              | K. E. 9      | 20.0         | C 1 8 7      | 10.7         | 267          | 1.0             | ;                |  |  |                  |  | 1           | . 96   | 70;        | 96:         |       |
| <del></del> |       | <del> </del>   | <del> </del> | <del> </del> | <del> </del> |              |              | <b></b>         | <del></del>      |  | <del>  -</del>                                   | <del>-  </del> - |  | -           | 70   |            | 79          |       |
|             |       | }              |              |              | i            |              |              |                 | i                |  | ! !  |                  |  | ı           | i  | 1          |             |       |
| <u>-</u>    |       | 1              | <del> </del> | <del> </del> |              |              |              |                 |                  | _  | <del>                                     </del> |                  |  |             | ·  |            |             |       |
| I           |       | ]              |              |              |              |              |              |                 | i                | l  |  |                  |  | 3           |  |            |             |       |
|             |       |                |              |              |              |              |              |                 |                  |  | T  |                  |  | i           |  |            |             |       |
|             |       | <u> </u>       |              |              | Ĺ            |              |              |                 |                  | į  |  |                  |  | i           |  |            |             |       |
|             |       | ]              | ĺ            |              |              |              | ĺ            |                 | ļ                | l  |  | ĺ                | ļ  | 1           |  | ;          |             |       |
|             |       | <del> </del> . | <del> </del> | ļ            |              | <u> </u>     | <u> </u>     | <u>  -</u>      | !                | <del></del>                                      | <del>  </del> -                                  | <del> </del>     | <del>                                     </del> | <u></u> .   | <del>}                                    </del> |            |             |       |
| ĺ           |       |                |              |              |              |              | ĺ            |                 | 1                | 1  |  | İ                |  | *           |  | 1          |             |       |
|             |       |                | -            |              |              | <del> </del> | <del> </del> | <del>  </del> - |                  | -  | <del>  </del> -                                  |                  |  |             |  |            |             |       |
|             |       |                |              | 1            |              |              |              | <b>i</b> [      | ļ                |  |  | - 1              |  |             |  |            | . 1         |       |
| ement (X)   |       | Σχ             | <del></del>  | 1            | Σχ           | <u> </u>     | X            | σ <sub>x</sub>  |                  | Obs.   | <u> </u>   |                  | Mean No.   | of Hours we | h Temperatu                                      | 70         | <del></del> |       |
| el. Hum.    |       | 49             | 2340         |              | 67           | 52           | 70.3         | 13.55           | 3                | 96   | ± 0 F  | ± 32 F           | ≥ 67 F   | ≥ 73 F      | - 80 F   | - 93 F     | Υ.          | otal  |
| y Bulb      |       | 31             | 710          |              | 54           | 75           | 57,0         | 7.15            | 2)               | 96   |  |                  | 12.6   |             |  |            |             |       |
| es Buib     |       |                | 8777         |              | 49           | 53           | 51,6         | 5,83            | •                | 96   |  | <u> </u>         |  |             | <u> </u>   | <u> </u>   |             |       |
| aw Point    |       | 21             | 5718         |              | 45           | 10           | 47.0         | 6.35            | 9                | 96   | 1  | 1.9              |  | -           |  |            |             |       |

SIEGENBURG GERMANY GUNNERY RANGE 68-70

## PSYCHROMETRIC SUMMARY

YOV

90

0600±0800 PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL Temp. (F) 0 1.2 3.4 5.6 7.8 9.10 11-12 13-14 15-16 17-18 19-20 21-22 23-24 25-26 27 28 29 30 .31 DB. WB Dry Bu b Wet Juib Dew Pon 50/ 49 48/ 47 46/ 45 44/ 43 1.7 2.5 2.5 7.6 6.7 3.4 6.7 1,7 5.0 .811.8 3.4 4.2 15.1 3.4 8 , 8 8 26 14 16 12 9 17 23 9  $\frac{3}{12}$ 42/41 4C/39 38/37 36/35 34/33 22/31 15 12 14 28 30/ 29 28/ 27 26/ 25 24/ 23 22/ 21 TOTAL 15 7,6 3,4 4.2 . 8 47.944.5 5.0 2.5 No. Obs. Element (X) Mean No. of Hours with Temperature 11054 4262 4161 92.9 8.335 35.8 6.018 35.0 5.407 33.9 5.214 119 119 119 1035012 156918 148945 Rel. Hum. ± 32 F 31,8 90 Dry Bulb

41.6

REVISED MEYICUS EDITIONS C. THIS FORM ARE DISOUETE 0.26.5 (OL A)

Wet Bulb Dow Po nt

139686

#### PSYCHROMETRIC SUMMARY

34199 SIEGENBURG GERMANY GUNNERY RANGE 68-70

PAGE 1 0900-1100

^:0.7

WET BULB TEMPERATURE DEPRESSION (F) TOTAL 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 10 - 20 21 - 22 23 - 24 25 26 27 - 25 29 30 - 31 DB WB Dry Bu 5 . 81 54/ 53 50/ 49 5.0 3.3 .8 5.0 2.5 5.0 6.6 1.7 48/ 47: 44/ 43 42/ 41 4C/ 39 1.7 5.6 38/ 37 .8 8.3 3.3 6.6 5.8 36/ 35 34/ 33 32/ 31 30/ 29 4.1 3.3 26/ 27 26/ 25 24/ 23 22/ 21 ,8 1.7 1.7 .8 28.149.617.4 2.5 2.5 Element (X) No. Obs. Mean No. of Hours with Temperature 0371 87,410,775 4333 38,3 6,334 4468 36,6 3,526 6195 34,7 5,387 10371 937453 17,9 182209 197174 90 Dry Gulb Wet Bulb 148921 90 Dew Point

ETAC HILL 0.26-5 (OLA) RINSO MENDUS COINCHS OF THIS FORM ARE OK

USAFETAC FORM 0.26-

## **PSYCHROMETRIC SUMMARY**

34199 SIEGENBURG GERMANY GUNNERY RANGE 68-70

V(ASS

PAGE 1 1200-1400

\*3A

| Temp.                |       |  |                |              |       | WET       | BULB   | TEMPER        | TURE    | DEPRESSI   | 104 (F)        |              |             |  |                                       | TOTAL              | _                                      | TOTAL            |        |
|----------------------|-------|--|----------------|--------------|-------|-----------|--|---------------|---------|--|----------------|--------------|-------------|--|---------------------------------------|--------------------|--|------------------|--------|
| (F)                  | 0     | 1 - 2  | 3 - 4          | 5 - 6        | 7 - 8 | 9 - 10    | 11 - 12  | 13 - 14       | 15 - 16 | 17 - 18 19                                       | - 20 2         | 1 - 22 23 -  | 24 25 - 25  | 27 28 29   | 35 - 31                               | TOTAL<br>DB. WB. ( | Dry Bubil                              | ## Bu - [        | Dew Po |
| 6/ 55                |       | 1  |                |              | 2.6   |           | 1  |               |         |  |                |              |             |  |                                       | 3                  | 3                                      | •                |        |
| 4/ 53                |       | +  | <u></u>        |              |       |           | ·  |               |         |  |                |              |             | <i>-</i>   |                                       | <u> </u>           | 2.                                     |                  |        |
| 2/ 51                |       | !  |                |              | 3.5   |           | 4  | į             |         |  | ,              |              |             |  |                                       | 4                  | 4                                      |                  |        |
| 0/ 49                |       | 9  | 5.2            | . 9          |       |           |  |               |         | i-   |                |              |             |  |                                       | 9.                 | 8.                                     |                  |        |
| 48/ 47               |       |  | 12.2           | 1.7          | :     |           | Į.   |               |         |  |                | i            |             |  |                                       | 16                 | 16                                     | 3                |        |
| 46/ 45               |       | O . J  | 1 3 9 7        | 9.7          |       |           | -  | -             |         |  |                |              |             | • —•   |                                       | 11.                | <u> 11</u> .                           | 13<br>25         | 1      |
| 44/ 43<br>42/ 41     | 2 4 0 | 2.0  | 1.7            |              |       |           |  |               |         | 1  |                | 1            |             |  |                                       |                    | 11                                     | 11               | 30     |
| 40/ 39               | 2.6   | 6.1  | 2,5            |              |       |           | <del> </del>                                     | <del></del> 1 |         | <del></del>                                      |                |              |             |  |                                       | 11.                | 11<br>13                               | 1 <u>1</u>       | 20     |
| 38/ 37               | . 9   | 5.2  | 2,00           |              |       |           |  | 1             |         | ,  | !              |              |             |  |                                       | 7                  |  | 12               | •      |
| 36/ 35               |       | 7.0  |                |              |       |           | <del></del> -                                    |               |         | :  | <del> </del> - | <del></del>  | ·           |  |                                       | 8                  | <del>-7</del> -                        | 1 <u>2</u> .     | 18     |
| 34/ 33               | ,9    |  | 1.7            |              |       |           |  |               |         | <u> </u>   | -              |              |             |  |                                       | 9                  | 9                                      |                  |        |
| 32/ 31               | 6.1   | 2.6  |                |              |       |           |  |               |         |  |                |              |             | ·  |                                       | 10                 | <del>9</del> .                         | 13<br>11         | 23     |
| 30/ 29               |       | 1.7  | .9             |              |       |           |  |               |         |  |                | <u>.</u>     |             |  |                                       | 4                  | 4.                                     | - <del>5</del> . |        |
| 28/ 27               | . 9   |  | . 9            |              |       |           | İ  |               |         | 1 ;  | ,              |              |             |  |                                       | 2                  | 2                                      | 2                | 2      |
| 26/ 25               | 9     | <u> </u>   | <del> </del>   | <u> </u>     |       |           | ļ  |               |         | <del></del>                                      | <del></del> ;  |              |             |  |                                       |                    | 1                                      | <del></del>      |        |
| 24/ 23<br>22/ 21     |       |  | 1              |              |       |           |  |               |         |  | 1              |              |             |  |                                       |                    |  |                  |        |
| 20/ 19               |       | <del>!                                    </del> | ├              |              |       |           | <del> </del>                                     |               |         | <del></del>                                      | <del></del>    |              |             |  |                                       |                    |  |                  |        |
| DTAL                 | 19.1  | 42.6   | 27.0           | 3,5          | 7.8   |           | 1  |               |         |  | Ì              | ;            |             |  |                                       |                    | 115                                    |                  | 115    |
| <u> </u>             |       |  | 1              |              |       |           | i  |               |         |  |                | <del>i</del> | -           |  |                                       | 115                |  | 115              |        |
|                      |       |  | L              |              |       |           | <u>l</u>   |               |         |  |                | _ ! _        | _ :         |  |                                       |                    |  |                  |        |
|                      |       |  |                |              |       |           |  |               |         |  |                |              |             |  |                                       |                    |  |                  |        |
|                      |       | ļ  | <u> </u>       |              |       |           | ↓  |               |         |  | -              | _            |             | -  |                                       |                    |  |                  |        |
|                      |       |  | İ              |              |       |           |  |               |         |  |                |              | i           | ļ .  |                                       |                    |  |                  |        |
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|                      |       |  |                |              |       |           |  |               |         |  |                |              | i           |  |                                       |                    |  |                  |        |
|                      |       | <del> </del> -                                   | <del> </del>   |              |       |           |  |               |         | <del>                                     </del> | <del> </del> - |              | <del></del> | <del>                                     </del> | · · · · · · · · · · · · · · · · · · · |                    |  |                  |        |
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|                      |       | 十一   | <del> </del> - | i            |       |           | <del>                                     </del> |               |         | <del>                                     </del> |                |              | <del></del> | <del> </del>                                     | <del></del>                           |                    |  |                  |        |
|                      |       |  |                | l            |       | _         |  |               |         |  | _              | _            | 1           |  | į                                     | :                  | _ `                                    |                  |        |
|                      |       |  |                |              |       |           |  |               |         |  |                |              |             |  | :                                     |                    |  | :                | ,      |
|                      |       | <u> </u>   | <u> </u>       |              | Ļ     | <u> </u>  | <u> </u>   |               |         | <u></u>  | \-             |              |             | ┸┈┸  |                                       |                    | ·                                      |                  |        |
| Element (X)          |       | Σχ2  | 000            |              | Σχ    | 0         | <u>X</u>   | - %           | -       | No. Obs.   |                |              | T           |  |                                       | ith Temperati      | ~ —                                    | <del></del>      |        |
| Rel. Hum.            |       | 80   | 3587           | <del> </del> | 94    | 77        | 82.6   | 13.0          | 11      | 11:  | -              | ± 0 F        | ± 32 F      | ≥ 67 F   | ≥ 73 F                                | ≥ 80 F             | - 93 F                                 | <del>- </del> -  | 0101   |
| Dry Bulb<br>Wet Bulb |       |  | 0011           |              | 47    | <u>57</u> | 38,8   | 100           | (0)     | 11!  | -              | <del></del>  | 13.3        | <del> </del> -                                   | ┿                                     | <del>-</del>       | <del></del>                            |                  | 9(     |
| Dew Point            |       |  | 1040           |              | 41    |           | 30,0   | 5.3           | 78      | 112  |                |              | 16,4        |  |                                       | <del></del>        | <del> </del>                           | <del></del>      | 90     |
| Pew Lount            |       |  | 1040           | <u> </u>     | 74    |           | 9 6 6 7  | 200           | [2]     | 443  |                |              | 29.0        | <u> </u>   |                                       | ·                  | ــــــــــــــــــــــــــــــــــــــ |                  |        |

FAC FORM 0.26-5 (OLA) revised previous contions of this form are obsystem

USAFETAC FORM 0.26-5 (OLA)

## PSYCHROMETRIC SUMMARY

34199 SIEGENBURG GERMANY GUNNERY RANGE 68-70 CTY
PAGE 1 1500-1700

|               |               |                |                    |                 |  |                 |                  |               |              |              |             |            | P. P. S.     | •    |
|---------------|---------------|----------------|--------------------|-----------------|--|-----------------|------------------|---------------|--------------|--------------|-------------|------------|--------------|------|
| Temp.         |               |                |                    |                 |  | EDEPRESSION     |                  |               |              |              | TOTAL       |            | CTAL         |      |
| (F)           | 0 1-2         | 3 - 4 5        | -6 7-8 9           | - 10 11 - 12    | 13 - 14 15 - 16                              | 17 - 18 19 - 20 | 21 - 22 23       | 24 25 - 26    | 27 28 29     | 30 + 3"      | D 5, W 8 p  | rv 8. t *e | 8. 5 De      | . P  |
| 58/ 57        |               |                | 4,1                |                 |  |                 | <b>-</b>         |               | •            | •            | 2           | 2          | _            |      |
| 52/ 51        |               |                | 0.1                |                 |  |                 |                  |               |              |              | 3           | _3_        |              |      |
| 50/ 49        |               | 8 . 21 2       |                    |                 |  |                 |                  |               |              |              | 7           | 7          | 2            |      |
| 48/ 47        |               | 6,1, 2         | . 0                |                 |  |                 |                  |               |              |              | 4           | _4_        | 3            |      |
| 46/ 45        | 10.2          | 8.2: 4         | · 6 1:             |                 |  |                 |                  |               | •            | • -          | 11          | 11         | 6            |      |
| 44/ 43        | 110.2         |                |                    |                 |  |                 |                  |               |              | _            | . <u>5</u>  | 5          | 13.          | 3    |
| 42/ 41        | 2.0 2.0       | 6.1.           |                    |                 |  | 1               |                  |               | •            |              | 5           | 5          | 7            | 1    |
| 40/ 39        | 2.0           |                |                    |                 |  | !               |                  |               |              |              | 1           | 1          | 3            |      |
| 38/ 37        | 2.0           |                |                    |                 | •  |                 |                  |               |              |              | 1           | 1          | 4            |      |
| 36/ 35!       | 8 . 2         |                |                    |                 | <del>i</del>                                 |                 |                  |               |              |              | 4           | 4          | - 1.         |      |
| 34/ 33:       |               |                | •                  |                 | :  | i               |                  |               |              |              | 1           | 1          | 5            |      |
| 32/ 31        | . 2 . 0       | 2.0            |                    |                 | · · · · · · · · · · · · · · · · · · ·        | :               | <u> </u>         |               |              |              | <u> </u>    | <u>2</u> . |              |      |
| 3C/ 20        | 4.1.          | 2.0            | i                  |                 |  |                 |                  |               |              |              | 3           | 3          | 3            |      |
| 28/ 27        |               |                |                    |                 | ·  |                 |                  |               |              |              |             |            | <del>1</del> |      |
| 26/ 25        |               |                | •                  |                 |  |                 |                  |               |              |              |             |            | 1            |      |
| 22/ 21        |               | <u> </u>       |                    |                 | <u> </u>                                     |                 |                  |               |              |              |             |            |              |      |
| 207 19        | ماد د ماد     | . <b>.</b>     | المائم فأما        |                 |  |                 |                  |               |              |              |             | 4.0        |              | ,    |
| DTAL .        | 4.144.93      | 201 5          | 5 4 1 1 0 2 1      | <del></del>     | <del></del>                                  |                 |                  |               |              |              |             | 49         | 7.0          | 4    |
|               | 1             |                |                    |                 | 5  |                 |                  |               |              |              | 49          |            | 49           |      |
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| į             |               |                | 1                  | Į.              | ž  |                 |                  |               |              |              |             |            |              |      |
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|               |               |                |                    |                 |  |                 | !                |               |              |              |             |            |              |      |
| Element (X) j |               |                | Σχ                 | X               | σ <sub>χ</sub>                               | No. Obs.        |                  |               | Hean No.     | of Hours wit | h Tempera u | ·e         |              |      |
| Rel. Hum.     |               | 475            | 375                |                 | 11,204                                       | 49              | ± 0 F            | ± 32 F        | ≥ 67 F       | ₹ 73 F       | → 80 F      | ≥ 93 F     | To           | _    |
| Dry Bulb      |               | 2?3            | 213                |                 | ¢,543  | 49              |                  | 9,2           |              |              |             |            |              | - (  |
| Wet Bulb      | 81            | 672            | 198                |                 | 5,816  | 49              |                  | 9.2           |              | <u> </u>     |             |            |              | - 5  |
| Dew Point     | 66            | 647            | 1'. 5              | 5 36.4          | 5.813  | 49              |                  | 22.0          |              | 1            |             |            |              | 9    |

(C FORM 0.26-5 (OL A) ITMILO REFINOUS EDITIONS OF THIS FORM ALL DISCUSTER

FETAC FORM 0.26-1

\$4199 SIEGENBURG GERMANY GUNNERY RANGE 68+70

## PSYCHROMETRIC SUMMARY

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|            |   |                |                |                 |                   |                 |                 |             | ÞΑ                 | GE 1                          | 5 <u>6</u> 60-  | CEC |
|------------|---|----------------|----------------|-----------------|-------------------|-----------------|-----------------|-------------|--------------------|-------------------------------|-----------------|-----|
| Temp       |   | ME.            | T BULB         | TEMPERATUR      | E DEPRESSION      | i F             |                 |             | ATOTA              | <del></del>                   | TOTAL           |     |
| ,F1        | 0 1-2 3-4 5-                              | 6 7 . 8 9 . 10 | 11 - 12        | 13 - 14 15 - 16 | 5 17 - 15 19 - 20 | 21 22 23 2      | 74 75 76        | 27 28 29    | 30 - 3- 7 B. *J    | 8 5-, 5. 5                    | *e+8, + 0       | P   |
| 6/ 45      | ,7  |                |                |                 |                   | *               | -, -            | •           | • •                | $\overline{1}$ $\overline{1}$ |                 |     |
| 4/ 43      | <u>.7                                </u> |                |                |                 | _                 |                 |                 |             |                    | 2 _ 2                         |                 |     |
| 2/ 41      | 3.6 .7                                    |                |                |                 |                   |                 |                 | - •         |                    | 6 6                           | 3               |     |
| C/ 39      |   |                |                |                 |                   |                 |                 |             |                    |                               | . 5             |     |
| 8/ 37      |   |                |                |                 |                   |                 |                 | -           |                    |                               | 1               |     |
| 6/ 35      |   |                |                |                 |                   |                 |                 |             |                    | · · · · ·                     |                 |     |
| 4/ 33      | 2.1 1.4                                   |                |                |                 | -                 |                 |                 |             |                    | 5 5                           |                 |     |
|            | 11.416.4                                  |                |                |                 | i                 |                 |                 |             | 3                  | 9 39                          | 25              | 1   |
| C/ 29,     | 9,3 6,4                                   |                |                |                 | i                 |                 |                 |             | 2                  |                               | 33              |     |
| 8/ 27      | 5.7 2.1                                   |                |                |                 | <u>.</u>          |                 |                 |             | 1                  | 1 11                          | $-\frac{12}{5}$ | 1   |
| 5/ 25      | 2.1 3.6                                   |                |                |                 | i                 |                 |                 |             |                    | 8                             | 5               | 7   |
| 4/ 23      | 1.4 5.7                                   |                |                |                 |                   | <del></del>     |                 |             | 1                  | 0 10                          | <u>e.</u>       | _   |
| 2/ 21      | • <u>7</u>                                |                |                |                 |                   |                 |                 |             |                    | 1 1                           | 7               | 7   |
| C/ 19      | .7 1.4                                    |                |                |                 |                   |                 |                 |             |                    | 3 3                           | <u> </u>        | _   |
| 8/ 17      | 2.1 1.4                                   |                |                | •               |                   |                 |                 |             |                    | 5 5                           | •               |     |
| 6/ 15      | 3,6                                       |                |                | <u> </u>        |                   |                 |                 |             |                    | 5 5                           |                 |     |
| 4/ 13      | .7 1.4°                                   |                |                |                 |                   |                 |                 |             |                    | 3 3                           | 2               |     |
| 2/ 11      | 1.4: .7:                                  |                |                |                 |                   |                 |                 |             |                    | 3 3                           | 3               |     |
| 57 9       | 1.4 .7                                    |                |                |                 |                   |                 |                 |             |                    | 3 3                           | 4               |     |
| 8/ 7       |   |                |                | <del> </del>    |                   |                 |                 |             |                    |                               |                 |     |
| 6/ 5       | .7.1.4                                    |                | ı              |                 |                   |                 |                 |             |                    | 3 3                           | 1               |     |
| 4/ 3.      | . 7.                                      |                |                |                 |                   | . ——            |                 |             |                    | 1 1                           | . 3             |     |
| 2/ 1       | 7. 7                                      |                |                |                 |                   |                 |                 |             |                    |                               | ٤.              |     |
|            | 2.9                                       |                | <u> </u>       |                 |                   |                 |                 |             |                    | 4 4                           | <del></del> -   |     |
| 4/ 75      | 2.1                                       | ı              |                |                 |                   |                 |                 |             |                    | 3 3                           | 3               | 7   |
|            | 40 348 A 3 1                              |                | — —            |                 | <del></del>       | <del>:i</del> - |                 |             |                    | 140                           |                 | 14  |
| IML        | 19.348.6 2.1                              | •              |                |                 |                   | <b>a</b>        |                 | :           | 1.4                |                               |                 | 1.  |
|            | <del></del>                               | <del></del>    | <del></del> -  | ·               | <del></del>       | i— i—           | _ <del></del> - |             | 14                 |                               | 140             |     |
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|            |   | 1              | į              | 1 1             |                   |                 |                 |             |                    |                               |                 |     |
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|            |   | *              | 1              |                 | ž<br>Ž            | ± 8             |                 |             |                    |                               |                 |     |
| lement (X) | Σχ2                                       | Zx             | <del>'</del> ₹ | 1 4             | No. Obs.          |                 | <del></del>     | Hear No. o  | f Hours with Tempe | *o*ure                        |                 |     |
| el. Hum.   | 1152794                                   | 12658          |                | 7.741           | 140               | : 0 F           | : 32 F          |             | ≥ 73 F ≥ 80        |                               | F Tr            |     |
| y Bulb     | 103758                                    | 3516           |                | 10,545          | 14c               | 4,7             | 83.7            |             |                    |                               |                 | •   |
| er Bulb    | 99156                                     | 3436           |                | 10,328          | 160               | 4.7             | 83.7            |             |                    | <del></del>                   |                 | Ġ   |
| e- Paint   | 89484                                     | 3174           | 33.7           | 11 228          | 140               |                 | 58.7            |             | <del></del>        | <del></del>                   |                 | - 6 |

DATA PROCESSING DIVISION USAF ETAC AIR \*EATHER SERVICE/MAC 3A199 SIEGENBURG GERMANY GUNNERY RANGE 68-70

## PSYCHROMETRIC SUMMARY

|              |              |                      |               |                |               |                  |                 |            |             |              |                | <u> </u>            |        |
|--------------|--------------|----------------------|---------------|----------------|---------------|------------------|-----------------|------------|-------------|--------------|----------------|---------------------|--------|
| 15 mg        | 0 1.2 3.4 5. | 6 7-8 9-10           |               |                | E DEPRESSION  |                  | ~               |            |             | TOTAL        |                | TOTAL<br>Fer Eu t D | a - Pa |
| 8/ 41        | 1.5          | <u> </u>             | <u></u>       | 13 - 14 13 - 1 | 0 17 10 10 1  | '•11 =11•'' =1   |                 |            |             |              | 2              |                     | •- •   |
| 4/ 43        | .7 .7        |                      |               |                |               |                  |                 |            |             | 3            | 2              | 2                   |        |
| 2/ 41        | 2.2 1.5      |                      | <del></del>   |                |               | <del></del>      | *               |            |             | <del></del>  | <del>-</del> - | ···- <u>2</u> -     |        |
| C/_39        |              |                      |               |                |               |                  |                 |            |             | •            |                | 4                   |        |
| 8/ 37        |              |                      |               |                |               |                  |                 |            | •           | •            | •              | Ť                   |        |
|              | 1.5 2.2      |                      |               |                |               |                  |                 |            |             | 5            | 5              | ž                   |        |
| 4/ 331       | 3.7. 4.5.    |                      |               |                |               |                  |                 | •          | •           | 11           | 11             | <u>2</u> .          |        |
| 2/ 31        | 9.011.9      |                      | -             |                |               |                  |                 |            |             | 28           | 28             | 22                  |        |
| 0/ 29        | 5,211,2      | - <del></del>        |               |                | 1             | <u> </u>         |                 |            |             | 28           | 28.            | 28                  | - 7    |
| 8/ 27        | 6.0 2.2      |                      |               | i              | _             |                  |                 |            |             | 1.1          | 11_            | 10                  | - '    |
| 6/ 25        | 3 - 0, 3 . 0 | :                    |               | Ī              |               |                  |                 |            |             | 8            | 8              | 8                   | _      |
| 4/ 23,       | 1.5 5.2      |                      |               |                | _i            |                  |                 |            |             | <u> </u>     | 9              | . 7                 |        |
| 2/ 21        | 2 • 2:       | •                    |               | i              |               |                  |                 |            |             | 3            | 3              | 3                   |        |
| 0/19.        | 3.0 .7       | _ <del></del>        |               |                |               |                  |                 |            |             |              | 6:             |                     |        |
| 8/ 17        | .7: 1.5 .7   | •                    |               |                |               |                  |                 |            |             | ٤.           | 4              | 1                   |        |
|              | 3.7          | <del></del> -        | <del></del> , | !              | <del></del>   | <del> </del>     |                 |            |             | 5            | <del>-</del>   | -3.                 |        |
| 4/ 13        | 1.5 2.2      |                      |               |                | ,             |                  |                 |            |             | 3            | 5              | 3                   |        |
| 2/111        | <u>. 7 </u>  |                      |               |                | <del></del>   | <del></del>      |                 |            |             | 1            | <b></b> .      |                     |        |
| 0/ 9<br>8/ 7 | · 🖦          |                      |               |                | ì             |                  |                 |            |             |              |                |                     |        |
| 6/ 5         | 7, 7         | <del> </del>         |               |                |               | <del></del>      |                 |            |             | <del></del>  | <u>}</u> -     | 2                   |        |
| 4/ 3:        | •7i •7       |                      |               | !              | •             |                  |                 |            |             | 2 2          | ٤,             | 6.                  |        |
| 2/ 1         |              |                      | <del></del>   | <del></del> !  | <del></del>   |                  | <del></del> -   |            |             |              |                | 2                   | -      |
| 2/ -3        |              |                      | •             | ł              |               | •                |                 |            |             |              |                | -                   |        |
|              | 2.2          | <u></u>              | <del></del>   | <del></del>    | <del></del> - | <del></del> -    |                 |            |             |              | 3              | 3                   |        |
| 6/ -7        | 6.6          |                      |               |                |               | •                |                 |            |             | ,            | 9              | •                   |        |
| TAL 14       | 3.351.5 5.2  | <del>- :- :-</del> - |               |                | <del></del>   | <del>1 1 -</del> | <del>-!</del> - |            |             |              | 135            |                     | 1      |
| 1            |              | g 8                  |               | !              | i             | 1 1              | ,               | -          |             | 134          | • •            | 134                 | •      |
|              |              |                      | 1             |                |               |                  | <del>.</del>    |            |             | <del></del>  |                |                     |        |
| +            |              | 1                    | : 1           |                | 1 1           | !                | •               |            |             |              |                |                     |        |
|              |              | i                    |               | ,              | 1 1           |                  |                 | <u>-</u> - |             |              |                |                     |        |
|              |              |                      | ᆜ             |                |               | 1                |                 |            |             | <del></del>  |                |                     |        |
|              |              |                      |               |                |               |                  |                 | į          |             |              | _              |                     |        |
|              | <u></u>      | <del></del>          | <u> </u>      | 1              | 1 1           | <del> </del>     |                 |            | <del></del> |              |                |                     |        |
| I. Hum.      | 1070331      | 11911                | X<br>De.O     | 9,333          | No. Obs.      |                  | ± 32 F          |            | of Hours wi | th Temperatu | re<br>. • 93 F | <del></del>         |        |
| y Bulb       | 109004       | 3616                 | 26.8          | 9,522          | 135           | 2.1              | 75.8            |            | 1 7/3 5     | 2 80 F       |                | <del></del>         | 101    |
| r Bulb       | 102571       | 3495                 |               | 9.264          | 134           | 2.1              | 76.3            |            | ┿           |              | <del> </del>   |                     |        |
| er Point     | 90327        | 3203                 |               | 10.138         | 134           | 4.2              | 84.0            |            | <del></del> | <del></del>  | <del> </del>   |                     |        |

### **PSYCHROMETRIC SUMMARY**

84199 SIEGENBURG GERMANY GUNNERY RANGE 68-70 . îśc PAGE 1 1200-1400

\*ET HULB TEMPERATURE DEPRESSION (F 3-4 5-6 7-8 9-10 11-17 13-14 15-16 17-18 19-20 21-22 23-24 25 25 27 28 27 30 -31 08 \*8 . 3· 2 · 5 . 81 4,2 6,7 3,4 5,0 5,916.8 10 5,9 6.7 3,4 3,4 3 6.7 .8 1.7 1.7 18/ 19 10/ 1 1 ÷8; 6/ 2 119 25.267.2 7.5 119 119. Element (X) Mean No of Hours with Temperature 904782 113105 104806 10322 86.7 8.932 3555 29.9 7.649 3618 28.7 7.210 3129 26.3 7.661 119 119 119 Rel. Hum. # 0 F | # 32 F | # 67 F | + 73 F 93 93 66.4 68.0 Wet Bulb 76.6 93 Dew Point

HYSTO MEYOUS EDITIONS OF THIS FORM ASE OUSDITS 0.26.5 (OL A)

i

### **PSYCHROMETRIC SUMMARY**

34199 SIEGENBURG GERMANY GUNNERY RANGE 68-70 CEC

WET BULB TEMFERATUTE DEPRESSION .F. TOTAL 1-2 3-4 5-6 7-8 9-10 11-12 13-14 15-16 17-18 19-20 21-22 23 24 25 26 27 28 27 30 +37 48/ 47 46/ 45 4.3 46/ 45 44/ 43 42/ 41 4C/ 39 38/ 37 36/ 35 34/ 33 32/ 31 30/ 27 4.3. 1 22-1-13-12233-1 3 4.3 8.7 4,3 13.0 8.7 28/ 27 26/ 25 34/ 23 4.3: 4.3: 20/ 23 24/ 23 22/ 21 20/ 19 18/ 17 26.1 4.3 16/ 15 14/ 13 FOTAL <u>23</u> 8.778.333.0 23 82.9 8.297 30.5 7.525 29.0 5.845 25.8 7.133 159464 22672 20316 1906 702 23 | 23 | 23 | 60.7 Dry Bulb 93 93 666 Wer Bulb 93 Dew Point

(C FOLM 0.26-5 (OL.A) INVIDITIONS IDMONS OF THIS FOR

## MEANS AND STANDARD DEVIATIONS

DRYBBULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

| 34199         | 51E                           | GENBURG               | GERMA                | NY GUI               | NHERY         | RANGE                 | <b>\$\$</b> ≈70   | )                    |                      |                       |               |               |                       |                        |
|---------------|-------------------------------|-----------------------|----------------------|----------------------|---------------|-----------------------|-------------------|----------------------|----------------------|-----------------------|---------------|---------------|-----------------------|------------------------|
| F*AT-ON       |                               |                       | S*A                  | YON NAME             |               |                       |                   |                      |                      | *{A2*                 |               |               |                       |                        |
| 462 . 3 .     |                               | ,AN                   | *E8                  | MAR                  | APO           | MAY                   | ßΝ                | <i>i</i> .,          | A.J.C                | SEP                   |               | ₩0.           | SEC                   | 4~~_=                  |
| 03=05         | MEAN<br>S D<br>"OTAL OBS      |                       |                      |                      |               | -                     | 49,4<br>,894<br>5 |                      |                      |                       |               |               |                       | 49.4<br>.894<br>5      |
| <b>06∞0\$</b> | MEAN 5 0<br>5 0<br>TOTAL OBS_ | 25,2<br>7,662<br>114: |                      | 30.6<br>8.251<br>120 |               | 7.215                 |                   | 56,1<br>6,637<br>188 | 55,5<br>5,751<br>180 | 68.3<br>6.496<br>187  | 7.685<br>191  | 35.8<br>6.018 | 25.1<br>10.545<br>140 | 42.9<br>14.022<br>1780 |
| 09-11         | MEAN 3 5 5 10 14 1. 085       | 26,5<br>7,483<br>112  | 9.00\$               | 34.8<br>7.373<br>119 |               | 6,625                 | 8,833             |                      | 7,323                | 57.5<br>7.365         | 47.4<br>6.971 |               | 9,522                 | 16.387<br>1793         |
| 12-14         | MEAN<br>S.C.<br>YO'AL OBS     |                       | 8,216                | 7.422                | 8,886         | 9,518                 | 10.047            | 9.686                | 8,950                |                       |               | 7.078         | 7,649                 | 17,245<br>1754         |
| 15-17         | MEAN<br>S C<br>TOTAL OBS      |                       | \$2.7<br>6.879<br>53 | 41.5<br>6.932<br>73  | 9.695         | 64.2<br>10.081<br>103 | 9.598             | 10.003               | 72.8<br>7.955<br>108 | 5.780                 |               | 43.6          | 7,525                 | 59.1<br>16.470<br>998  |
| 18=20         | WEAN<br>5 D<br>101AL OBS      |                       |                      |                      | 57.0<br>10,27 | 67.0<br>12.728        | · ·               |                      |                      | •                     | <u>-</u>      | <u>.</u>      |                       | 53.4<br>12:325         |
|               | MEAN<br>S D<br>TOTAL OBS      |                       |                      |                      |               | •                     |                   |                      |                      | •<br>•                | *<br>•        | ·             | . •                   | ·                      |
|               | MEAN<br>S D<br>TOTAL OBS      |                       |                      |                      |               |                       |                   |                      |                      | •                     |               | •             |                       |                        |
| HOURS         | MEAN<br>S D<br>TOTAL OBS      | 27.9<br>7.486<br>377  | 5.926                | 8,546                | 9,14          | 10.735                | 10-109            | 10.614               | 9,448                | 38.6<br>10.068<br>672 | 9.206         | 7.010         | 9,493                 | 50.1<br>16.966<br>6344 |

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SIEGENBURG GERHANY GUNNERY RANGE

## MEANS AND STANDARD DEVIATIONS

## MET-BULB TEMPERATURES DEG F FROM HOURLY DESERVATIONS

| <u>5</u> *A* ≎~    |                              |                      | >**                  | at of name           |                     | •                    |                      | •                      |              | ·EAP                 |                     |                |                        |                          |
|--------------------|------------------------------|----------------------|----------------------|----------------------|---------------------|----------------------|----------------------|------------------------|--------------|----------------------|---------------------|----------------|------------------------|--------------------------|
| -95 .5"            |                              | JAN                  | rea                  | VAS                  | APQ                 | WAY                  | ,U <sup>4</sup> \    |                        | A            | <u> </u>             | ×-                  | <del>vo.</del> | :-<br>5 <del>-</del> : |                          |
| 03=05              | MEAN<br>5 0<br>"C"AL OBS     | -                    |                      | -                    |                     |                      | 47.6<br>.594         |                        |              |                      |                     |                |                        | 57,6<br>,894             |
| 06=0€              | MEAN<br>S D<br>TOTAL OBS     | 24.8<br>7.276<br>114 | 9.073                | 29.7<br>7.737<br>120 | 6.40C               | 6.102                | 5,516.               | 5,538                  | 5.557        | 47:1<br>7:984<br>183 | 7,675               | 5.40           | 10-328                 | 13,116                   |
| 0 <del>9=1</del> 1 | MEAN<br>S.C.<br>TOTAL DES    | 26.3<br>7.100<br>112 | 27.2<br>8,665<br>111 | 33,3<br>6,526<br>119 | 6,511               | 50.7<br>6.268<br>134 | 5,765                | 6,154                  | 5,283        | 53.4<br>6.231<br>186 | 6.392<br>6.392      | 5,524          | 9.264                  | 45.2<br>13.860<br>1792   |
| 12-14              | MEAN (<br>. 5.0<br>*0*AL CRE | 29,5<br>5,740<br>110 | 7.749                |                      | 04440               | 9.370                | 58,7<br>6,305<br>165 | 3.YY7.                 | 5.601<br>175 | 4:575:               | 6.407               | 5.80           | 7.210                  | 13,456<br>1754           |
| [5=17              | WEAN S D                     | 31.2<br>5.826<br>41  | 91.3<br>6.348<br>53  | 38,8<br>5,6;5        | 44,7<br>6,681<br>89 | 53,7<br>6,530<br>103 | 5.1061               | 63,3<br>6,369          | 5.498        | 58.0<br>4.674.       | 31.6<br>5.634<br>95 | 40.4<br>5.816  | 29,0<br>6,846          | 51,0<br>12,308           |
| 18-50              | MEAN<br>S C<br>TOTAL OBS     |                      |                      | · •                  | 48,2<br>5,933       | 3,362                |                      |                        |              | *                    | . ,                 | -              |                        | 52,3<br>6,389            |
| ·                  | MEAN<br>S C<br>TOTAL OBS     |                      |                      | - •                  |                     |                      |                      |                        |              |                      |                     | -              |                        |                          |
| ***                | MEAN<br>S D<br>TOTAL OBS     | -                    | •                    |                      |                     |                      |                      |                        | ·            |                      | - ,                 | •              |                        |                          |
| ALL                | MEAN E<br>S D<br>TOTAL OBS,  | 7.020                | 8,468                |                      | 7.120               | 7.005                | .0 \$ \$ 1 1<br>• 10 | 59591<br>61671<br>7081 | 6,370        | 95.6<br>7.574<br>672 | 7.567<br>674        | ·b·áāš         | .7.193                 | 940<br>952<br>952<br>956 |

USAF STAC MM 0-89-5 (OL 1)

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SIEGENBURG GERMANY GUNNERY RANGE

34199

Appending (

## MEANS AND STANDARD DEVIATIONS

## DEH-POINT TERPERATURES DEG F FROM HOURLY DESERVATIONS

|                             | **************************************                            | det.   |
|-----------------------------|---|--|
|                             | AN FEB WAR APP  | #47 X 5, 45, 54 Art 10   |
| 03#05<br>TOTAL OSS          |   | 40.0<br>1,225<br>1,225   |
| 96±08 °C1.<br>2014. Æ       | IAIRI TARKI IAIKA KLAKA   | 42,9 51,1 53,5 52,5 56,0 60,9 33,9 22,7 39,7 6,210 3,307 5,419 5,712 7,767 7,420 5,21411,228 13,098 735 166 128 180 183 101 119 140 1780       |
| 09-11 -0-r >=               | /*O*/ **C** 0:411 0:378   | 44.6 51.8 55.0 55.4 50.1 43.5 34.7 23.9 62.0<br>6.590 5,428 5,937 5,279 4,340 0,661 3,38750,138 13,106<br>134 146 195 181 156 198 121 134 1792 |
| MAN<br>SS<br>SVA DE         | 747[3 P:325:3:735 \$2527 :  | 45.1 52.2 35.6 \$4.0 31.5 63.6 33.5 20.3 65.6 6.657 5.776 5.830 5.433 3.834 6.432 3.835 7.461 12.133 125 165 190 178 188 192 113 117 1754      |
| MEEN,<br>5 2<br>10"A, DIS   | - ************************************                            | 44.6 52.2 56.2 52.1 51.8 67.0 50.4 25.8 55.7<br>4.785 6.050 6.202 5.855 5.800 6.357 5.855 7.133 11.046<br>103 116 135 103 118 75 42 23 928     |
| 16 m 20 C.Y 392             | 37,0<br>5,00<br>5,00<br>5,00<br>5,00<br>5,00<br>5,00<br>5,00<br>5 | 55.00<br>5.056<br>5.056  |
| **E45.<br>2 2<br>**O*A. O85 | •   |  |
| MEAN<br>S D<br>*OFA: OES    | · ·   |  |
| ALL REAN E D                | \$1500 8.798 Tios 6.309   | 414 51.8 35.0 55.8 49.7 45.7 35.0 31.3 42.4<br>6.533 5.418 5.500 5.756 6.770 7.186 5.646 7.837 12.681  |

65-70

USAF ETAC ZZZ 6-89-3 -QL1,

DAT: PROCESSING DIVISION ETAC/USAF AIR WEATHER SERVICE/MAC

### RELATIVE HUMIDITY

34199 SIEGENBURG GERMANY CUNNERY RANGE 68-70
STATION STATION NAME FERIOS MONTH

# CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

|       | HOURS        |       |       | PERCENTA | GE FREQUEN | CY OF RELATI | VE HUMIDITY C | -<br>GREATER T≓AN | 1    |       | MEAN<br>RELATIVE | TOTAL<br>NO OF |
|-------|--------------|-------|-------|----------|------------|--------------|---------------|-------------------|------|-------|------------------|----------------|
| MONTH | (LST;<br>← — | 10%   | 20%   | 30%      | 40%        | 50%          | 60%           | 70%               | 80%  | 90%   | YTKIMUH          | OBS            |
| JAN   | ALL          | 100.0 | 100.0 | 100.0    | 100.0      | 100.0        | 100.0         | 99,4              | 96;5 | 71.6  | 91.9             | 377            |
| FEB   | •            | 100.0 | 100.0 | 100.0    | 100,0      | 100.0        | 100.0         | 99.6              | 88.7 | 54.0  | 88.5             | 386            |
| MAR   | •            | 100.0 | 100.0 | 100.0    | 100.C      | 100.0        | 98,1          | 91.0              | 67.6 | 35.9  | : 84,1           | 428            |
| APR   | - <b>1</b>   | 100.0 | 100.0 | 100.0    | 90+4       | 87.3         | 73.9          | 65,2              | 31,9 | 13.0  | 71.5             | 505            |
| MAY   | •            | 100.0 | 100.0 | 99.2     | 83,2       | 63c9         | 49.0          | 38,8              | 16.7 | 7.8   | 61.5             | 516            |
| JUN   |              | 100.0 | 100.0 | 200.0    | 95.2       | 80.2         | 64,5          | 34.1              | 41.1 | 14.9  | 70.7             | 610            |
| JUL   |              | 100+0 | 100.0 | 100.0    | 99,8       | 74.1         | 58,6          | 4444              | 27.9 | 12:7  | .66,8            | '708           |
| AUG   |              | 100.0 | 100.3 | 100.0    | 97,2       | 81.1         | 64,6          | 51,0              | 39.8 | 22.5  | 71.5             | 647            |
| SEP   | ļ            | 10000 | 100+0 | 100.0    | 99,5       | 89.2         | 71,4          | 55,8              | 36.5 | 22.2  | 73.2             | 672            |
| DCT   |              | 100.0 | 100.0 | 100.0    | 100.0      | 97'04        | 88,7          | 76.2              | 57.5 | -40.9 | 82.3             | 674            |
| NOV   |              | 100.0 | 200,0 | 100.0    | 100,0      | :9.6         | 9973          | 87.6              | 67.6 | 41.1  | 84.9             | 404            |
| DEC   |              | 100.0 | 200.0 | 200.0    | 100.0      | 20000        | 99,5          | 94.5              | 82.6 | 41.5  | 87.2             | 416            |
| τo    | TALS         | 100.0 | 200.0 | 99.9     | 96,6       | 89,4         | 80,3          | 71,4              | 54,5 | -31,5 | 97.8             | 6343           |

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DATA PROCESSING DIVISION ETAC/USAF AIR WEATHER SERVICE/MAC

### **RELATIVE HUMIDITY**

34199 SIEGENBURG GERMANY GUNNERY RANGE 69-70 JAN STATION NAME MONTH

# CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| MONTH   | HOURS    |           |        | PERCENTAG | E FREQUENCY | OF RELATIVE | HUMIDITY GE | REATER THAN |       |      | MEAN                 | TOTAL         |
|---------|----------|-----------|--------|-----------|-------------|-------------|-------------|-------------|-------|------|----------------------|---------------|
| MUNIH   | (LST)    | 10"       | 20     | 30.       | 40%         | 50-         | 60          | 70          | 80    | 90   | AVITAJAR<br>(TIGIMUH | NO OF<br>03\$ |
| JAN     | 00-02    | <b>4.</b> | •      | <b>.</b>  | •           | •           | •           | •           | ,     |      | ·~                   |               |
| F       | 03-05    |           | *···   | !         | i           | <u></u>     |             |             |       |      |                      |               |
| ·       | 06-08    | 100.0     | 100.0  | 100.0     | 100.0       | 100.0       | 100.0       | 100.0       | 100.0 | 84.2 | 94.1                 | 114           |
| •       | 09-11    | 100.0     | 100.0  | 100.0     | 100.0       | _)0.0       | 100.0       | 100.0       | 98.2  | 79.5 | 93.0                 | 112           |
|         | 12-14    | 100.0     | 100.0  | 100.0     | 100.0       | 100.0       | 100.0       | 100.C       | 92.7  | 66.4 | 91.0                 | 110           |
|         | 15-17    | 100.0     | 100.0  | 100.0     | 100.0       | 100.0       | 100.0       | 97.6        | 95.1  | 56.1 | 89.5                 | 41            |
|         | 18-20    |           | i<br>! | ļ<br>     | ļ           |             |             | <u> </u>    |       | L    |                      |               |
|         | 21-23    |           |        |           |             | <br>        |             |             |       | L    |                      |               |
| <b></b> |          |           | <br>   |           |             |             |             | ļ           |       |      | ,                    | <b></b>       |
|         | <u> </u> |           |        |           |             |             |             |             |       |      |                      |               |
|         |          |           |        |           |             |             |             | <u> </u>    |       |      | ·                    |               |
|         | ^        |           |        |           |             |             |             |             |       |      |                      |               |
| το      | TALS     | 100.0     | 100.0  | 100.0     | 100.0       | 100.0       | 100.0       | 99.4        | 96.5  | 71.6 | 91.9                 | 377           |

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PATE PRESENT 1 1911. ETAC/USAF AIR TEATTER SE VICE/NAC

### **RELATIVE HUMIDITY**

34199 STEGENEURG GERMANY GUANERY RANGE

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CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| ніиом                                 | HOURS |          |       | PERCENTA | GE FREQUENC | Y OF RELATIV    | E HUMIDITY C | GREATER THAN |                                       |      | MEAN<br>- RELATIVE | TOTAL       |
|---------------------------------------|-------|----------|-------|----------|-------------|-----------------|--------------|--------------|---------------------------------------|------|--------------------|-------------|
| MON14                                 | (LST) | 10'      | 20    | 30°      | 40°.        | 50 <sup>-</sup> | 60           | 70           | 80                                    | 90   | HUMIDITY           | NO OF       |
| FE8                                   | 20-02 |          | • =   |          |             |                 |              |              | · · · · · · · · · · · · · · · · · · · |      |                    | •           |
|                                       | 3-05  | <u>.</u> |       |          |             |                 |              |              | -                                     |      |                    | •           |
|                                       | 06+0″ | .10 .0   | 100.0 | 100.0    | .102.0      | 100.0           | 100.0        | 100.C        | 98.2                                  | 71.2 | 91.3               | <u> 111</u> |
|                                       | 39-11 | 100.0    | 100.0 | 100.0    | 100.0       | 1100.0          | 100.0        | .100.0       | 96.4                                  | 64.0 | 90,2               | 111         |
|                                       | 12-14 | 100.0    | 100.0 | 100.6    | 100.        | 100.c           | 100.0        | 95.2         | 86.5                                  | 48.6 | 87.7               | 111         |
|                                       | 15-17 | 101.0    | 100.0 | 100.0    | 100.        | 100.c           | 100.0        | 100.0        | 73.6                                  | 32.1 | 84.9               | 53          |
|                                       | 18-2  | [        | ì     |          |             |                 | 1            |              | * * * * * * * * * * * * * * * * * * * |      |                    | t<br>I      |
|                                       | 21-23 |          |       |          |             |                 | ŧ            | <u> </u>     |                                       |      |                    |             |
|                                       |       |          |       |          | -           |                 | <u> </u>     |              |                                       |      |                    |             |
|                                       | :     |          |       |          | <u> </u>    |                 |              | -            |                                       |      |                    | ;<br>;      |
| · · · · · · · · · · · · · · · · · · · |       |          |       |          |             |                 |              |              |                                       | :    |                    |             |
|                                       |       |          |       |          |             |                 |              |              |                                       |      | <u> </u>           |             |
| TO                                    | DTALS | 100.0    | 100.0 | 100.0    | 100.0       | 100.0           | 100.0        | 99.6         | 88.7                                  | 34.0 | 88.5               | 386         |

USAFETAC FORM 0-87-5 (OL 1)

## RELATIVE HUMIDITY

34199 SIEGENBURG GERMANY GUNNERY RANGE 69470 VAR
STATION STATION NAME FEROD MONTH

# CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

|      |                                       |   | - <del> </del> | <u> </u>    | -           |               |              | <del> </del> |               |                                       |                                    |              |
|------|---------------------------------------|---|----------------|-------------|-------------|---------------|--------------|--------------|---------------|---------------------------------------|------------------------------------|--------------|
|      |                                       | <u> </u>                                | -              | !           | -           |               |              |              | -             |                                       |                                    |              |
|      | · · · · · · · · · · · · · · · · · · · |   |                | +           |             |               |              |              |               |                                       |                                    |              |
|      | 5/=53                                 | .4                                      |                |             |             |               |              |              | <del></del> - | <del></del>                           | <del></del>                        | -            |
|      | <del></del>                           |   | -4             | <del></del> |             |               |              | <del></del>  | <del> </del>  | · · · · · · · · · · · · · · · · · · · | ·•                                 |              |
|      | 18-20                                 | # · · · · · · · · · · · · · · · · · · · | -              |             |             |               |              | 1            | 1             |                                       |                                    |              |
|      | 15=17                                 | 100.0                                   | 100,0          | 100.0       | 100,0       | 100.0         | 63.5         | 83,6         | 52.1          | 12.9                                  | 79.6                               | 73           |
|      | 12-14                                 | 100,0                                   | 100.0          | 100.0       | 100,0       | 100.0         | 99.1         | 85,3         | 58,6          | 29.3                                  | 81,6                               | 116          |
|      | 09-11                                 | 100.0                                   | 100,0          | 100-0       | :00+0       | 100.0         | 100.         | 95,6         | 70,6          | 42.9                                  | 95 04                              | 119          |
|      | 06=08                                 | 100.0                                   | 100,0          | 100.0       | 100,0       | 100.0         | .100.0       | 99.2         | 89,2          | 59.2                                  | 89.7                               | 120          |
|      | 103=05                                | •                                       | - <del></del>  |             |             |               |              |              |               |                                       | oraķa — — — — sasamatinas ika kant | ·            |
| 1R   | 100=02                                | - <b>•</b>                              | •              | •           |             |               |              |              |               |                                       |                                    |              |
| ONTH | asti                                  | 10%                                     | 20%            | 30%         | 40%         | 50%           | 60%          | 70%          | 80%           | 90%                                   | HUMIDITY                           | NO 05<br>∩85 |
|      | HOURS                                 |   |                | PERCENTA    | GE FREQUENC | CY OF RELATIV | Æ HUMIDITY G | REATER THAN  |               |                                       | MEAN - RELATIVE                    | IOTAL        |

USAF ETAC FORM 0-87-5 (OL 1)

DATA PRECESSING DIVISION ETAG/USAF AIR WEATHER SERVICE/MAC

#### **PELATIVE HUMIDITY**

APR SIEGENBURG GERMANY GUNNERY RANGE 34199 PERIOS STATION \*\* \*\* \*\* STATION NAME

#### CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

| MONTH | HOURS    | ·        |          | PERCENTA | GF TREQUENC         | Y OF RELATIV | YE AUMIDITY C | GREATER THAT | N _     |        | MEAN<br>RELATIVE | TOTAL<br>NO OF |
|-------|----------|----------|----------|----------|---------------------|--------------|---------------|--------------|---------|--------|------------------|----------------|
| MONIN | 157.     | 10%      | 20%      |          | 40%                 | 50%          | 60%           | 70%          | 6C%     | 90%    | HUMIDITY         | 03.            |
| PR    | 00+02    |          | •        | •        |                     |              | •             | - <b>-</b>   | <b></b> |        |                  | ·              |
|       | 03-05    |          |          |          | <b>*</b> ********** | - 4          |               |              |         |        |                  |                |
| -     | 06=08    | 100.0    | 100.0    | 100.0    | 100,0               | 99.3         | 97.8          | 95.4         | 65,9    | 35.6   | 84.4             | 135            |
|       | 09-11    | 10040    | 100,0    | 100.0    | 100,0               | 97.1         | 94,2          | 79.0         | 49,3    | 18.5   | .78.9            | 138            |
|       | 12=14    | 100.0    | 100,0    | 100.0    | 96,6                | 94,9         | 76.8          | 65.2         | 29,7    | 7.2    | 72,5             | 138            |
|       | 13-17    | 100,0    | 100.0    | 100:0    | 9973                | 85.4         | 60.7          | 46.1         | 14.6    | 3,4    | 65.9             | . 84           |
|       | 18-20    | 100.0    | 100,0    | 100.0    | 60,0                | 60.0         | 40.0          | 40.0         | i       | ·      | 55,8             | 5              |
|       | 21-23    |          | <b>.</b> |          | ,                   |              |               |              | !       |        |                  |                |
|       |          |          |          |          | ·<br>•              | <u> </u>     |               |              |         |        |                  | <b>.</b>       |
|       |          | <b>*</b> |          | ļ        |                     | <u> </u>     |               |              |         | ·<br>- |                  | من يست منوا    |
|       | <u> </u> | 1        |          |          | <u> </u>            |              |               | <u> </u>     |         | ·      | <u> </u>         | •              |
|       | ·        |          |          |          |                     |              |               |              |         |        |                  | 1              |
| 10    | DTALS    | 100+0    | 10000    | 100.0    | 90+4                | 67.3         | 75.9          | 45:2         | 51,9    | 13.0   | 71.5             | 505            |

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### **RELATIVE HUMIDITY**

34199 STEDENBURG GERMANY GUNNERY RANGE 68-70 MONTH

# CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| нтиом         | HOURS<br>(LST) | 10%      | 20%            | PEPCENTA | GE FREQUENC  | Y OF RELATIV        | E HUMIDITY G | PEATER (HAN | !<br><br>80 <b>%</b> | · · · · · · · · · · · · · · · · · | MEAN<br>RELATIVE<br>HUMIDITY | TOTAL<br>NO OF<br>OBS |
|---------------|----------------|----------|----------------|----------|--------------|---------------------|--------------|-------------|----------------------|-----------------------------------|------------------------------|-----------------------|
| AY            | 00=02          | • -      |                | ,        | _+           |                     | . •          |             | a                    | *                                 |                              |                       |
| <del></del> . | D3=05          | •        | • • • • • •    | • -      | A = -        |                     |              |             |                      | •                                 | •                            | •                     |
|               | 06-08          | 100+0    | 100.0          | 100:0    | 100.0        | 99,3                | 95;3         | 89,7        | 54.1                 | 28.9                              | 81,5                         | 195                   |
|               | 09-11          | 100.0    | 100,0          | 100.0    | 97.0         | 79,9                | 59.0         | 39,6        | 15,7                 | 6.0                               | 65,3                         | 134                   |
|               | 12-14          | 100.0    | 100.0          | 100.0    | 80,7         | 54.1                | 36,3         | 29 7        | 9,5                  | 3.0                               | 36,6                         | 135                   |
|               | 19017          | 100+0    | 100,0          | 96.1     | 71,8         | 41.7                | 29,3         | 13.0        | 3,9                  | 1.0                               | 51.0                         | 103                   |
|               | 16-20          | 100.0    | 100.0          | 100.0    | 66,7         | 44.4                | 33,3         | 3373        |                      | <b></b>                           | 53,1                         | 9                     |
| ••            | 21-23          | ·-•      |                | ;        |              | _ <b></b>           |              |             | <u> </u>             |                                   |                              |                       |
|               |                | <b>.</b> | . •            | <u> </u> |              |                     | -            | :<br>       | ļ                    | i<br>- <del>!</del>               |                              |                       |
|               | <b></b>        |          |                |          |              | ·<br>- <del>}</del> |              | <u> </u>    |                      |                                   |                              | 1                     |
|               |                | -+       | - <del>i</del> |          | <del>-</del> | <u> </u>            |              |             | ļ                    |                                   |                              |                       |
|               | -              |          |                |          |              |                     |              |             |                      |                                   | -                            | ·                     |
| 10            | DTALS          | 100-0    | 100-0          | 98,2     | 83+2         | 63.9                | 49.0         | 38.9        | 16.7                 | 7.8                               | .62.08                       | 316                   |

USAF ETAC ALL 0-87-5 (OL I)

RELATIVE HUMIDITY

UATA PROCESSING DIVISION ETAC/USAF AIR WEATHER SERVICE/MAC

34199 STATION

SIEGENBURG GERMANY GUNNERY RANGE

68-70

PERIOD

JVN

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

| 10       | nals     | 100+0 | 100+0 | 100:0         | 95.2      | 80.2         | 66.5        | 5442             | 4151          | 14,9        | 70.7             | 610            |
|----------|----------|-------|-------|---------------|-----------|--------------|-------------|------------------|---------------|-------------|------------------|----------------|
|          |          |       |       |               | ***       |              |             |                  |               |             |                  | <u> </u>       |
|          |          |       |       | <del></del> - | 1         |              | 1           |                  |               |             | <del></del>      | <u> </u>       |
|          | ·        |       |       |               |           |              |             | -                | <del> </del>  | <del></del> | _ <del></del>    |                |
|          | 23-623   |       |       | · -•          |           | :            | <u> </u>    | :<br><del></del> | <del></del> - |             |                  |                |
|          | 18=20    |       |       |               |           |              |             |                  |               |             |                  |                |
|          | 15÷17    | 100,0 | 100.0 | 100.0         | 85 45     | 51,8         | 35,5        | 20-0             | 8,3           | 2.7         | 55,8             | iio            |
| ·        | 12e14    | 100.0 | 100,0 | 130.0         | 92,1      | 63.6         | 44.2        | 24,2             | 25.2          | 7,3         | 59,9             | 165            |
|          | 09-11    | 100,0 | 100,0 | 100.0         | 98,2      | 86.1         | 58,4        | 42.2             | 22,9          | 13.0        | 67.7             | 166            |
|          | 06=08    | 100.0 | 100.0 | 100-0         | 200.0     | 99,4         | 9465        | 84-1             | 59.1          | 30.5        | 82.4             | 164            |
|          | D3=05    | 100,0 | 100.0 | 100.0         | 100.0     | 200.0        | 100,0       | 100.0            | 100.0         | 20.0        | 87.8             |                |
| 4        | 00902    |       |       | - <b>.</b> -  |           | . 4          |             |                  | •             |             |                  |                |
| NIH<br>- | . ST<br> | 10%   | 20%   | 30%           | 40%       | 50%          | UN          | 70%              | 80%           | 90%         | PTICANUH         | O&S<br>        |
|          | ++OURS   |       |       | PERCENTA      | E FREQUEN | CY OF RELATI | YT CIMUH 3V | GPEATER THA      | ~             |             | MEAN<br>FELATIVE | TOTAL<br>NO OF |

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## RELATIVE HUMIDITY

| 34199 SIEGENBURG GERMANY GUNNERY RAI |  | Jul Howar |
|--------------------------------------|--|-----------|
|--------------------------------------|--|-----------|

# CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

| TC   | TALS       | 10010 | 300.0 | 200.0       | 93,8        | 74:1                                  | 58,6         | 44.4                                  | 27.9        | 12.7        | 66,8                 | 70                                    |
|------|------------|-------|-------|-------------|-------------|---------------------------------------|--------------|---------------------------------------|-------------|-------------|----------------------|---------------------------------------|
|      |            | a     |       |             |             |                                       | <u></u>      | - <del></del>                         |             | - <b>-</b>  |                      | · · · · · · · · · · · · · · · · · · · |
|      | ···        | • =   | • -   |             |             | · · · · · · · · · · · · · · · · · · · |              | 1                                     | <b>4</b>    |             |                      |                                       |
|      | 21-23      |       |       | -sweet at - | •           | <b>4</b>                              | <b></b>      |                                       | *           |             |                      |                                       |
|      | 18=20      |       |       | <b>-</b> -  | _•          |                                       | ·            | · · · · · · · · · · · · · · · · · · · | <del></del> | - <b>+-</b> |                      |                                       |
|      | 15-17      | 200+0 | 100,0 | 100.0       | 87,4        | 92.6                                  | 31,9         | 15.0                                  | 3,7         | 1.5         | 54,1                 | 23                                    |
| -    | 12-14      | 100.0 | 100.0 | 300.0       | 88,9        | 62.1                                  | 41,6         | 24.7                                  | 11.6        | 3.2         | 55,9                 | 190                                   |
|      | 09-11      | 100.0 | 100,0 | 300.0       | 99.0        | 62.1                                  | 63,6         | 4777                                  | 27,2        | 947         | 68,8                 | 19                                    |
|      | 06c08      | 100+0 | 100.0 | 100.0       | 100+0       | 99,5                                  | 97.3         | 89.4                                  | 69,1        | 36.2        | 85,2                 | 188                                   |
|      | 03+05      |       |       | •           | • -         | • -                                   | _            | J                                     |             | _           |                      | •                                     |
| Ļ    | 00+02      |       |       | •           | -           |                                       |              |                                       | _           |             |                      | •                                     |
| ONTH | 157        | 10%   | 20%   | 30%         | 40%         | 50%                                   | 50%          | 70%                                   | 50%         | 90%<br>-    | RELATIVE<br>HUM-DITY | 사인 05<br>기원<br>-                      |
|      | -<br>+OURS | -     |       | PERCENTA    | GE FREQUENC | Y OF RELATIV                          | E HUMID TY G | BEATER THAN                           |             |             | WEAM                 | *O*A.                                 |

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#### **RELATIVE HUMIDITY**

34199 SIEGENBURG GERHANY GUNNERY RANGE 68-70 Mesos 4

# CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

| _  |        | ,<br>,0,2   | 10%           | 30%   | 40%        | 50%   | . 50% | *2%         | 60%         | - PO%      | V*C#UH                                  | ೨೩<br>   |
|----|--------|-------------|---------------|-------|------------|-------|-------|-------------|-------------|------------|---|----------|
| G  | 00+02  |             | -             |       | *          | -     |       | -           | -           |            |   |          |
|    | 03=05  | -           | -             |       |            |       |       |             |             |            |   | •        |
| ·  | 05=08  | 100.0       | 100+0         | 100.0 | 100.0      | 100.0 | 98.9  | 97,2        | 65,6        | 59.4       | 90.1                                    | 160      |
|    | 09=11  | 100.0       | 100,0         | 100+0 | 100.L      | 94.5  | 85.1  | 93.5        | 45:4        | 13.6       | 76,8                                    | 181      |
|    | 12-14  | 100.0       | 100,0         | 100,0 | 97,2       | 74.2  | 46,6  | 32,4        | 22,5        | 10.7       | 64.1                                    | <u> </u> |
|    | 15=17  | 100.C       | 100,0         | 100.0 | 91:7       | 55.5  | 27.8  | 13,0        | 4,6         | - <b>-</b> | 53,1                                    | 108      |
|    | 18=20  | <del></del> |               |       |            |       |       |             | .,          |            |   | ·        |
|    | 21-23  | <b>.</b>    |               |       | _ <b>.</b> |       |       |             |             |            | · • · · · · · · · · · · · · · · · · · · |          |
|    |        | - +         |               |       |            | -     | ·     |             | ·           |            |   | ···      |
|    |        | <b>-</b>    | -             | _,    |            |       |       | <del></del> | <del></del> |            |   |          |
|    | -      |             | <del>-i</del> |       |            |       | -i    |             | !<br>!      |            | <del></del>                             | ·        |
|    |        | =i          |               |       |            |       |       |             |             | į          | :<br>                                   | -        |
| TC | TALS . | 160.6       | 100.0         | 200-0 | . 97.2     | #1:1  | 64.6  | 51,6        | 39.8        | 22.5       | 71.2                                    | 647      |

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DATA PROCESSING DIVISION ETAC/USAF AIR WEATHER SERVICE: MAC 1

### **RELATIVE HUMIDITY**

| 199   | STEGEN       | SURG GE     | RHANY G    |                 | RANGS              | 68                     | 70                  |              |             |                 | S                                     | Ep                    |
|-------|--------------|-------------|------------|-----------------|--------------------|------------------------|---------------------|--------------|-------------|-----------------|---------------------------------------|-----------------------|
| ATYON | , _ =        |             | STATION NA | -i              |                    |                        |                     | 71100        |             | -               |                                       | 44 Ca4 * ***          |
|       |              |             | •          | CUMULATI        |                    | TAGE FREQ<br>OURLY OBS |                     | OCCURREN     | <b>:</b> CE |                 |                                       |                       |
| нгиом | HOURS<br>IST | -<br>       | 20%        | PERCENTA<br>30% | koć frequen<br>40% | CY OF RELATIV          | 6 HUMBITY 6         | GREATER THAN | 50%         | 97%             | HEAN<br>ESLA VE<br>HUMOSTY            | 70"A.<br>40 0"<br>085 |
| SEP   | 90÷02        |             |            | •               | •                  |                        |                     | -            |             |                 |                                       |                       |
|       | 02=05        | •           |            |                 |                    |                        |                     |              |             | ×               |                                       |                       |
|       | 04×05        | 10010       | 100.0      | 0,0e£           | 10050              | 100.0                  | 100.0               | 100=0        | 68.0        | 69,4            | 93.9                                  | lâ                    |
|       | 09-11        | 300+0       | 100fC      | 100.0           | 100,0              | 90.0                   | \$1.44<br>\$2.44    | 70.4         | 39.8        | 16.1            | 77.2                                  | 18                    |
|       | lerit        | 100.6       | 100,0      | 700.0           | 89,5               | 85.4                   | 35.i                | 31,4         | 11.6        | ÷€\$            | 54,2                                  | 18                    |
|       | 15-17        | 100.0       | 160,0      | 0.002           | 38.3               | 18:0                   | 34.0                | 21.2         | 6,8         | 311             | 34.5                                  | 12                    |
|       | 18-20        | · * -       |            |                 |                    |                        |                     |              | ·           |                 |                                       | ••                    |
|       | 23*33        | - <b>.</b>  | *          |                 | ·                  |                        | anger a var. er om. |              |             |                 | •                                     | ·                     |
|       |              | •           | <b>→</b>   |                 |                    |                        |                     |              | ****        |                 | · · · · · · · · · · · · · · · · · · · | er - Alduber          |
|       |              | <del></del> |            |                 |                    | <del></del>            | ·                   | <del>-</del> | ·<br>-      | <del>****</del> |                                       |                       |
|       | •            | 4           |            |                 | . <del></del>      | <del>:</del>           |                     | •            | <u> </u>    | - <del></del>   | <del></del>                           | <del></del>           |
|       | DYALS        | 10048       | 109+0      | 900ve           | - <del></del>      | 36.5                   | 7154                | 03:4         | 36.3        | · 22:2          | 73,2                                  | <del></del>           |

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DATA PROCESSING DIVISION ETAC/USAF AIR WEATHER SERVICE/MAC

#### **RELATIVE HUMIDITY**

| 34199<br>:*** | SIEGEN | BURG GE | RHANY G |         | RANGE              | 68∸                    | 70           | माद          | :    |       | 9               | CT<br>Winter   |
|---------------|--------|---------|---------|---------|--------------------|------------------------|--------------|--------------|------|-------|-----------------|----------------|
|               |        |         |         | CUMULAT |                    | TAGE FREQ<br>OURLY OBS |              |              | NCE  |       |                 |                |
| MONTH.        | -003   | -       |         | PERCENT | 43 <u>E</u> PEQUEN | CY OF RELATIV          | . HUM 2 TH C | GREATER THAN |      |       | MEA.<br>PELA VE | 7074.<br>NG 05 |
| -             | .5*    | 2%      | 12%     | 30%     | 40%                | . 50%                  | 60%          | 70%          | é C% | ¥\$*  | HUMILITY        | ભા             |
| 227           | 20#02  |         | -       |         | _                  |                        | -            |              | -    |       |                 |                |
|               | 03=05  | _       |         |         |                    |                        |              | _            |      |       |                 |                |
|               | 06-68  | 100.0   | -10+0   | 100.0   | 100+0              | 100.0                  | 99.C         | 95.9         | 94.2 | 82.7  | 95.0            | 191            |
| ×             | 09=61  | 100.0   | 100,0   | 100,0   | 100,0              | 100.0                  | 95,4         | 90.8         | 73,3 | 48:7  | 87.2            | 195            |
|               | 12-}4  | 100.0   | 100.0   | 100.0   | 100,0              | 95.8                   | 85,4         | 62,0         | 38,5 | 22.9  | 76,5            | 192            |
|               | 15-17  | 100.C   | 100,0   | 100.0   | 100.0              | 93,8                   | 75.0         | 4579         | 24,0 | 9.4   | 70,3            | 96             |
|               | 10-20  | _*      |         |         |                    |                        |              |              |      |       | •               |                |
|               | 21023  |         |         |         |                    |                        |              |              |      |       |                 |                |
|               |        |         |         | •       |                    |                        |              |              |      |       |                 |                |
|               |        | - •     | *       |         | _ •                |                        |              |              |      |       |                 |                |
|               |        |         |         |         |                    |                        |              |              |      |       |                 |                |
| ,             |        |         |         |         |                    |                        |              |              | -    |       |                 |                |
|               | DTALS  | 100.0   | 100+0   | 2000    | 200.0              | 97.4                   | 88,7         | 74.2         | 57,5 | 140+9 | 82,3            | 674            |

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### RELATIVE HUMIDITY

34199 SIEGENBURG GERMANY GUNNERY RANGE 63-70

# CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| MTHOM      | <b>~≎</b> U\$\$ | _     |       | PERCENTA | GE FREQUEN | CY OF REVATIV | E HUMIDITY C | REATER THAN | <b>v</b> |      | MEAN<br>RELATIVE | *OTAL<br>NO OF                        |
|------------|-----------------|-------|-------|----------|------------|---------------|--------------|-------------|----------|------|------------------|---------------------------------------|
|            | rs:             | -95   | 20%   | 35%      | 49%        | 50%           | 50%          | 10%         | 50%      | 90%  | HUNCHY           |                                       |
| NOV        | 00=02           |       |       |          |            | *             |              | *           | *        |      | - <b>-</b> -     |                                       |
| -          | 03=05           |       |       | ~*~·     | <b>.</b>   | •-            |              | <b>.</b>    |          |      |                  | · · · · · · · · · · · · · · · · · · · |
| <b>.</b> – | 06-08           | 100.0 | 100.0 | 100.0    | 100.0      | 100.0         | 99,2         | 97.5        | 92.4     | 73.9 | 92.9             | 119                                   |
|            | 09-11           | 200.0 | 100,C | 100.0    | 100.0      | 100-0         | 96.7         | 98,4        | 75,2     | 49.6 | 87,4             | 121                                   |
|            | 12-14           | 100.0 | 100.0 | 100.0    | 100.0      | 98.3          | 89,6         | 86.1        | 60.0     | 34.8 | . 82,6           | 115                                   |
|            | 15-17           | 100+0 | 100.0 | 100.0    | 160,0      | 100.0         | 67,8         | 73.5        | 42,9     | è•1  | 76.6             | 49                                    |
|            | 18=20           | •     | -     |          |            | - •           |              |             | <b></b>  |      |                  | •                                     |
|            | 21-23           |       |       | - •• •   |            |               |              |             |          |      | <u></u>          |                                       |
|            |                 | •     |       | •        |            |               |              |             | -        |      |                  |                                       |
|            |                 | •     | •     |          |            |               |              |             |          |      |                  |                                       |
| <b></b>    | -               | •     |       |          |            |               |              | <u> </u>    |          |      |                  |                                       |
|            |                 |       |       | ·        | · ·        |               |              |             |          |      |                  |                                       |
| 10         | DTALS           | 100.0 | 100,0 | 100-0    | 100.0      | 99.6          | 9373         | 87.6        | 67.6     | 41:1 |                  | 404                                   |

USAF ETAC 25 0-87-5 (OL I)

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#### **RELATIVE HUMIDITY**

34199 SIEGENBURG GERHANY GUNNERY RANGE

48-70

M1776

330

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY DBSERVATIONS

|             | :  | 1  | 1  |   | i   |   |   | i  | ;  | · i   | -   |
|-------------|--|--|--|---|---|---|---|--|--|---|---|
|             |  |  |  |   |   |   | <del></del>   | <del></del> -  |  |   | <del></del>   |
| <del></del> |  | -  |  |   |   | <del></del>   |   | <del> </del>   |  |   | ·   |
| •           | <b>.</b>   |  |  |   | _ <del>-</del>  |   |   |  | •  |   | <del>*</del> -  |
| 21-23       |  | •  |  |   |   |   | <del>-:</del>   |  |  |   |   |
| 18=30       | - •  |  | - <del></del>  |   |   |   |   | ·  |  |   |   |
| 15è17       | 100.0  | 100.0  | 100:0  | 100,0   | 100.0   | 100.0   | 91,3  | 78,9   | 8:7  | 82.9  | 2   |
| 12-14       | 100.0  | 100,0  | 100.0  | 100,0   | 100.0   | 100,0   | 94,1  | 81,5   | 42.0   | 86.7  | 11  |
| 00-11       | 100.0  | 100.0  | 100.0  | 100,0   | 100.0   | 98,5  | 94.8  | 85,8   | 36.0   | 88.9  | 13  |
| 06=09       | 100.0  | 100.0  | 100-0  | 100.0   | 100.0   | 100.0   | 97.9  | 89,3   | 59.3   | \$0.4   | 14  |
| 03=05       |  |  | •  | •   |   |   | . •   |  |  |   |   |
| 00=02       | _  |  |  |   |   |   |   |  | _  | _   | • -   |
| .51         | 10%  | 10%  | 30%  | 40%   | 20%   | 60%   | 70%   | 80%  | \$2 <b>%</b>   | SV TALBS<br>VTC MUH   | . ⇔≎<br>?%  |
|             | 00=02<br>03=05<br>06=09<br>09=11<br>12=14<br>15=17 | 00=02<br>03=05<br>06=09 100:0<br>05=11 100:0<br>12=14 100:0<br>15=17 100:0 | 00=02<br>03=05<br>06=09 100+0 100+0<br>05=11 100+0 100+0<br>12=14 100+0 100+0<br>15=17 100+0 100+0 | 00=02<br>03=05<br>06=09 100:0 100:0 100:0<br>09=11 100:0 100:0 100:0<br>12=14 100:0 100:0 100:0<br>15=17 100:0 100:0 100:0<br>18=20 | 00=02<br>03=05<br>06=09 100:0 100:0 100:0 100:0<br>05=11 100:0 100:0 100:0 100:0<br>12=14 100:0 100:0 100:0 100:0<br>15=17 100:0 100:0 100:0 100:0<br>18=20 | 00=02<br>03=05<br>06=09 100:0 100:0 100:0 100:0 100:0<br>05=11 100:0 100:0 100:0 100:0 100:0<br>12=14 100:0 100:0 100:0 100:0 100:0<br>15=17 100:0 100:0 100:0 100:0 100:0<br>18=20 | 00=02<br>03=05<br>06=09 100:0 100:0 100:0 100:0 100:0 100:0<br>05=11 100:0 100:0 100:0 100:0 100:0 98:5<br>12=14 100:0 100:0 100:0 100:0 100:0<br>15=17 100:0 100:0 100:0 100:0 100:0 | 00=02<br>03=05<br>06=09 100:0 100:0 100:0 100:0 100:0 97:9<br>05=11 100:0 100:0 100:0 100:0 100:0 98:5 94:8<br>12=14 100:0 100:0 100:0 100:0 100:0 100:0 94:1<br>15=17 100:0 100:0 100:0 100:0 100:0 100:0 91:3<br>18=20 | 00=02<br>00=05<br>06=09 100:0 100:0 100:0 100:0 100:0 97:9 69:3<br>05=11 100:0 100:0 100:0 100:0 100:0 98:5 94:8 85:8<br>12=14 100:0 100:0 100:0 100:0 100:0 94:1 81:5<br>15=27 100:0 100:0 100:0 100:0 100:0 91:3 78:9<br>18=20 | 00=02 03=05 06=09 100:0 100:0 100:0 100:0 100:0 97:9 69:2 59:3 05=21 100:0 100:0 100:0 100:0 100:0 98:5 94:8 85:8 36:0 12=24 100:0 100:0 100:0 100:0 100:0 100:0 94:1 81:5 42:0 15=27 100:0 100:0 100:0 100:0 100:0 100:0 91:3 78:9 8:7 | 00=02 03=05 06=09 100:0 100:0 100:0 100:0 100:0 97:9 69:2 59:3 90:4 09=11 100:0 100:0 100:0 100:0 100:0 98:5 94:8 85:8 36:0 88:9 12=14 100:0 100:0 100:0 100:0 100:0 100:0 96:1 81:5 42:0 86:7 15=27 100:0 100:0 100:0 100:0 100:0 100:0 91:3 78:9 8:7 82:9 18=20 |

USAF ETAC # 0-87-5 (OL 1)

1-14 PACCESSING SINIOICA ELAC CO F AIR VENILER CHAVIOR (MAC) ASHEVILLE, NORTH CARCLINA

PART F

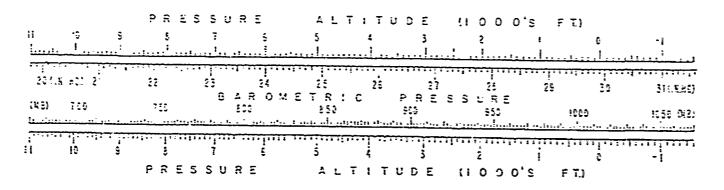
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## PRESSURE SUMMARY

Presented in this part are two tables giving the dynas, ottoburd revictions, and total subser of observations of station pressure and sea-level pressure to make and around for the local nourly observations corresponding to the eight 3-dourly synoptic times SOT. The same computations are also provided at the bottom of the page for all nours contained. All years of data available are combined in both of those tables, although the overall period is limited to Jacuary 19-6 through December 1963 section of changes in reporting practices perform after those dates.

- 1. Station pressure in inches of mercury.
- 2. Ses-level pressure in millipars.

Provided below to a scale to convert station pressure values in inches of mercury or militars to pressure altitude in 1000's of feet. This scale is an enlarged model of the pressure altitude scale in the Smithsonian Meteorological Tables.



### MEANS AND STANDARD DEVIATIONS

STATION PRESSURE IN INCHES HG PROY HOURLY DESERVATIONS

| 4199         |                          | GENBURG                |                       | INY GUN               | NERY P              | ANGE                                    | 68-70               |                             |  | YEARS                  |                    |                         |                      |                       |
|--------------|--------------------------|------------------------|-----------------------|-----------------------|---------------------|---|---------------------|-----------------------------|--|------------------------|--------------------|-------------------------|----------------------|-----------------------|
| HRS L3 T     |                          | JAN                    | FEB                   | MAR                   |                     | MAY                                     | JUN                 | JUL                         | AUG  | SEP                    | oc.                | NO.                     |                      | ANN A.                |
| Cl           | MEAN<br>5 D<br>TOTAL 385 | ,                      |                       |                       |                     |   |                     |                             |  |                        |                    | •                       |                      |                       |
| 04           | MEAN<br>5 D<br>TOTAL ORS | -                      |                       |                       |                     | <b>2</b>                                | 8,665<br>2.         |                             |  |                        |                    |                         |                      |                       |
| 07           | MEAN<br>5 D<br>TOTAL UBS | 28.5092<br>.340<br>35  | 8,3942<br>253<br>37   | 8.4602<br>213<br>40   | 8,529<br>256        | 8,5928<br>196<br>45.                    | 5,6312              | 9,686,8<br>275<br><u>65</u> | 8,6112<br>133<br>51.   | 8,6322<br>,166<br>,22. | 8,715<br>197       | 28,541g<br>.267         | 8,643<br>,319<br>47  | 28,599<br>236<br>598  |
| 10           | MEAN<br>S L<br>TOTAL OBS | 26,5332<br>,340<br>.37 | 8,405<br>244<br>37    | 8,4642<br>.216        | 6,547<br>257<br>46  | 8,6008<br>189<br>64                     | 8,638g<br>134<br>55 | 8,3942<br>146<br>65.        | 8,6162<br>155<br>61  | 8,6942<br>174          | 204<br>204         | 28,5932                 | 8,358<br>.927<br>45  | 28,612<br>237<br>293  |
| 13           | MEAN<br>S D<br>TOTAL OBS | 26,524P<br>.342<br>.37 | 8,4132<br>.235<br>.37 | 8,4512<br>,229        | 8,544;<br>257<br>46 | 189<br>189                              | 8,5222<br>131<br>55 | 8.6822                      | 2,6092<br>252<br>59  | 8,6792<br>177<br>60    | 8,718<br>205<br>64 | 269<br>269              | 8,606<br>,922<br>40  | 28,396<br>234<br>583  |
| 15           | MEAN<br>S J<br>TOTAL OBS | 28.507P                | 8,4022<br>232<br>21   | 8,4792<br>.222<br>24  | 8,541<br>245        | 177<br>177<br>39                        | 128<br>128<br>48    | 8,6682<br>180<br>58         |  | .266<br>.266           |                    | 28,4722<br>,205<br>,205 | 6,754<br>,309<br>5   | 28,599<br>.≿05<br>281 |
| 19           | AEAN<br>S D<br>TOTAL OBS | <u>.</u>               |                       |                       |                     |   |                     |                             |  |                        |                    |                         |                      | <br>-                 |
| 22           | MEAN<br>S D<br>TOTAL OBS | •                      |                       |                       |                     | er mal <sup>o</sup> Simonog SA <b>S</b> |                     |                             | THE RESERVE TO THE RE | ,                      |                    |                         | -                    | <b>.</b>              |
| ALL<br>HOURS | MEAN<br>S D<br>TOTAL OBS | \$6,5202<br>486.       | 8,464                 | 8,4613<br>,218<br>142 | 8,540<br>252<br>17) | 3,367<br>187<br>173                     | 2620.8              | 8,0833<br>149<br>243        | 8,5092<br>132<br>221   | 8,5832<br>170<br>131   | 5,725              | 28,5342<br>289<br>139   | 8,641<br>,920<br>137 | 28,602<br>231<br>2158 |

US4F . TAC 2014 0-89-5 (OL.,

STATION

## MEANS AND STANDARD DEVIATIONS

#### SEA LEVEL PRESSURE IN HBS FROM HOURLY OBSERVATIONS

YEARS

|       |                    | JUN 8616#    | LUBBBBUL | an noo | LUBU UDAKET | ODGEK.W.I. |
|-------|--------------------|--------------|----------|--------|-------------|------------|
| 34199 | SIEGENBURG GERHANY | GLIERY RANGE |          |        |             |            |

STATION NAME

| RS LST        |                           | IAN     | FEB | MAP  | APR                                   | MAY         | JUN      | JUL                  | AUG                  | SEP            | ∞.     | ~o.      |          | 455.4    |
|---------------|---------------------------|---------|-----|--|---------------------------------------|-------------|----------|----------------------|----------------------|----------------|--------|----------|----------|----------|
| 01            | MEAN<br>5 D<br>10TAL OBS  |         |     | •  | - · · · · · · · ·                     |             |          |                      |                      |                | -      |          | 7 1      | 27.4-2.  |
| 94            | MEAN<br>S D<br>TOTAL OBS  | -       |     | •  | -                                     |             |          |                      |                      | -              |        |          |          | =        |
| 07            | MEAN<br>S D<br>TOTAL OBS  |         |     | •<br>• -=                                    | -<br>-                                |             |          |                      |                      |                | -<br>- |          |          |          |
| 10            | MEAN<br>S D<br>TOTAL CBS  | -,<br>a |     | ·  |                                       |             |          |                      |                      | •              |        | •        | ÷ -      | -        |
| 15            | MEAN<br>S D<br>TOTAL OBS  |         |     | ·  | · · · · · · · · · · · · · · · · · · · |             | <b>.</b> | eng a                | and and an extension |                |        |          |          | # -<br>~ |
| 16            | MEAN<br>S D<br>TOTAL OBS  |         | · = | <del>-</del>                                 | ·                                     | •           |          | and desired the same | <u>.</u>             | <b>***</b> *** | *- ,   |          | <b>-</b> | -        |
| 19            | MEAN<br>S D<br>TOTAL OBS  |         |     | •  |                                       |             |          |                      | <b></b>              |                | •      | •<br>•== | •        | -        |
| .22           | MEAN<br>S D<br>TOTAL OBS: |         |     | <u>.                                    </u> |                                       | <del></del> |          |                      | <b>.</b>             |                | •      |          |          | •        |
| All<br>HOU (S | MEAN<br>S D.              |         |     |  | 1<br>2<br>8<br>1                      | #<br>•<br>• | 7        |                      | 1                    |                |        |          |          |          |

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